STR-DE475

MANUAL DE SERVIÇO

Brazilian Model

Ver 1.0 2001. 02

Este equipamento foi fabricado com o sistema Dolby de redução de ruído, sob licença da Corporação de Laboratórios Dolby. O nome “DOLBY”, o símbolo de duplo □□ “AC-3” e “Pro Logic” são marcas registradas da Corporação Dolby .

ESPECIFICAÇÕES TÉCNICAS

Amplificador

POTÊNCIA DE SAIDA

Potência RMS de saída em modo Estéreo
(8 ohms 40 Hz - 20 kHz, THD 0.09%)
80 W + 80 W

Potência RMS referencial de Saída
(8 ohms 1 kHz, THD 10%)
Front[1]: 90 W / canal
Central[1]: 90 W
Traseira[1]: 90 W / canal

1) Dependendo dos ajustes do campo sonoro, poderá não haver nenhum som.

Resposta de Frequência
MULTI CH IN, CD, MD / TAPE, DVD / LD, TV / SAT, VIDEO:
20 Hz – 20 kHz
0 / – 0.5 dB (sem campo sonoro e controle de graves e agudos.

Entradas (Analógicas)
MULTI CH IN, CD, MD / TAPE, DVD / LD, TV / SAT, VIDEO:
Sensibilidade: 250 mV
Impedância:
50 kilohms
S / N[3]: 85 dB
(A, 250 mV[4])

2) INPUT SHORT (entrada em curto-circuito)
3) Carga de Rede, nível de entrada .

Entradas (Digital)
DVD / LD (coaxial):
Sensibilidade:
Impedância: 75 ohms
S / N: 100 dB
(A, 20 kHz LPF)
TV / SAT (Optico):
Sensibilidade:
Impedancia: –
S / N: 100 dB
(A, 20 kHz LPF)

Saída
MD / TAPE (OUT):
VIDEO (AUDIO OUT):
Voltagem: 250 mV,
Impedancia:
10 kilohms
SUB WOOFER:
Voltagem: 2 V
Impedancia :
1 kilohms
PHONES:
Aceita fones de ouvido de alta e baixa impedância.

TONE ±6 dB at 100 Hz e 10 kHz

Frequência de Amostragem
48 kHz (OPTICAL IN)
96 kHz (COAXIAL IN)

Sintonizador FM

Faixa de Sintonização 87.5 - 108.0 MHz

Terminais de Antena
75 ohms, não balanceado

Frequência Intermediária 10.7 MHz

Sensibilidade Mono: 18.3 dBf, 2.2 µV / 75 ohms
Estéreo: 38.3 dBf, 22.5 µV / 75 ohms

Sensibilidade Utilizável
11.2 dBf, 1 µV / 75 ohms

S/N Mono: 76 dB
Stereo: 70 dB

Distorção Harmônica a 1 kHz
Mono: 0.3%
Estéreo: 0.5%

Separação 45 dB a 1 kHz

Resposta de Frequência
30 Hz - 15 kHz
+0.5 / -2 dB

Seletividade 60 dB at 400 kHz

— Continua na próxima página —

RECEIVER AM/FM ESTÉREO

SONY®

Sintonizador AM

Faixa de Sintonização

Em intervalos de 10 kHz

530 - 1610 kHz[4)]

Em intervalos de 9 kHz

531 - 1602 kHz[4)]

Antena Antena Loop de AM

Frequência Intermediária 450 kHz

Sensibilidade Utilizável
50 dB / m (a 1,000 kHz ou 999 kHz)

S/N 54 dB (at 50mV / m)

Distorção Harmônica
0.5% (50mV / m, 400 kHz)

Seletividade A 9 kHz: 35 dB
A 10 kHz: 40 dB

4) Detalhes veja página 36.

Video

Entradas Video: 1 Vp-p 75 ohms

Saídas Video: 1 Vp-p 75 ohms

Geral

Sistema Sintonizador PLL sistema de sintetizador digital a quartzo.
Preamplificador: equalizador tipo NF de baixo ruido
Amplificador de Potência puro complementar SEPP

Alimentação
127 / 220 V CA, 60Hz

Consumo
175W
Na condiçao de espera (Standby): 1W

Dimensões 430 × 145 × 298 mm ($17 \times 7\,^{7}/_{8} \times 19\,^{5}/_{8}$ in.) incluindo partes salientes e controles

Peso
Aprox. 7.2 kg

Acessórios Fornecidos

- Antena Monofilar de FM (1)
- Antena Loop de AM (1)
- Pilhas (tamanho-AA) (2)
- Controle Remoto RM-U305 (1)

Projeto e especificaçoes técnicas sujeitos à alteracoes sem previo aviso.

VERIFICAÇÃO DE SEGURANÇA

Depois de corrigido o problema de manutenção original,execute as seguintes verificações de segurança antes de liberar o aparelho para o consumidor: verifique os terminais de antena, o acabamento metálico, os botões "metalizados", os parafusos e todas as outras peças de metal expostas para ver se não há fuga de AC, conforme descrito abaixo:

FUGA

A fuga de AC de alguma parte do metal exposta a terra e de todas as partes do metal expostas que tenham retorno ao chassi, não deve exceder 0.5 mA (500 micro-amperes). A corrente de fuga pode ser medida por qualquer um desses três métodos:

1. Um aparelho medidor de fuga como o Simpson 229 ou o RCA WT-540A. Siga as instruções dos fabricantes para usar esses instrumentos.

2. Um miliamperímetro de AC operado a bateria. O multímetro digital Data Precision 245 é adequado para esses serviço.

3. Medindo a queda de tensão através de um resistor por meio de um multímetro ou voltímetro de AC operado a bateria. A indicação de "limite" é de 0,75V, desse modo os medidores analógicos precisam ter uma escala precisa de baixa tensão. O Simpson 250 e o sanwa SH-63Trd são exemplos de multímetros operados a bateria, que têm uma faixa de 2V AC, e são adequados.

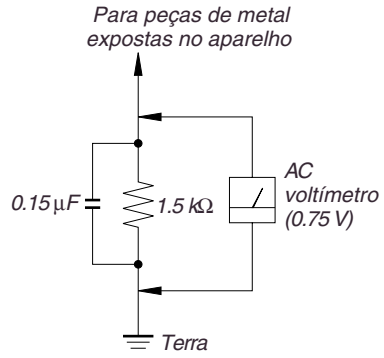

Fig. A. Usando um voltímetro AC para verificar a corrente de fuga.

ATENÇÃO COM OS COMPONENTES DE SEGURANÇA!

COMPONENTES IDENTIFICADOS COM A MARCA ⚠ NOS DIAGRAMAS ESQUEMÁTICOS E NA LISTA DE PEÇAS SÃO CRÍTICOS PARA A SEGURANÇA. SOMENTE OS SUBSTITUA POR COMPONENTES IDENTIFICADOS NUMERICAMENTE NESSE MANUAL DE SERVIÇO OU EM SUPLEMENTOS PUBLICADOS PELA SONY.

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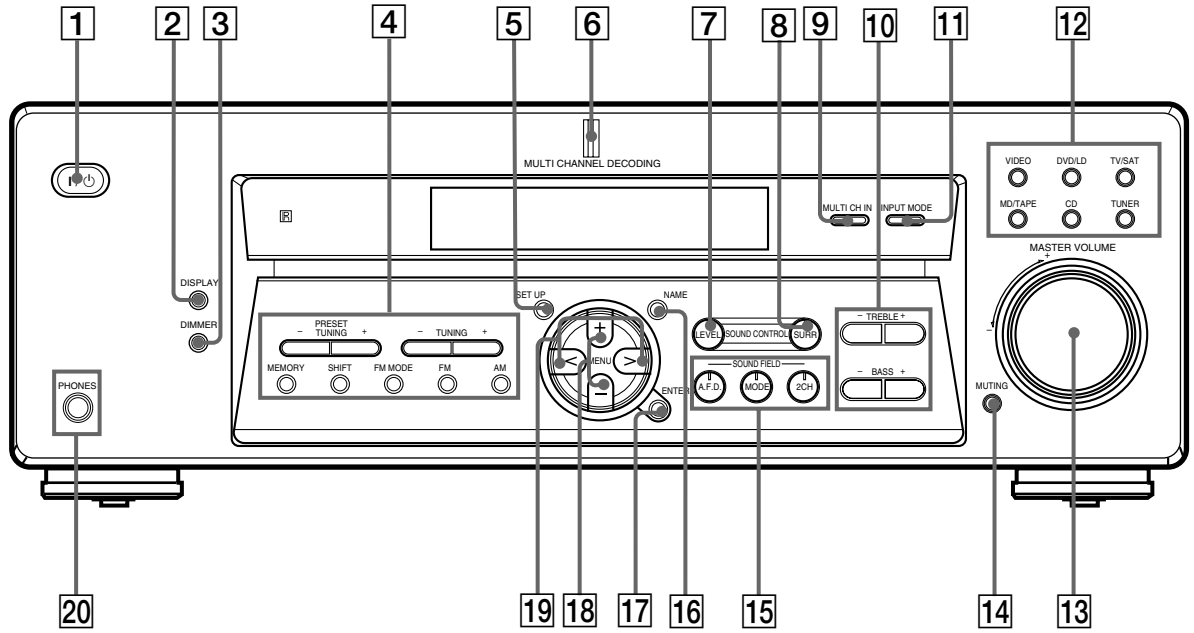
Descrição dos Itens do Painel Frontal



Tecla SHIFT
Seleciona a página da memória para as emissoras memorizadas.

Tecla FM MODE
Se "STEREO" piscar no visor e a recepção de FM estéreo estiver fraca, pressione esta tecla. Você não terá o efeito estéreo, mas o som irá melhorar.

Tecla FM
Seleciona a faixa FM.

Tecla AM
Seleciona a faixa AM.

5 Tecla/indicador SET UP
Pressione para ativar o modo de ajuste, depois utilize as teclas MENU < / > (item 19 pág.23) para selecionar uma das indicações abaixo. Faça vários ajustes utilizando as teclas MENU + / – (item 18 pág.23).

Selecione	Para
Tipo de caixas acústicas	Especificar o tipo das caixas acústicas. (pág. 15)
Ajuste da caixa acústica	Especificar o tamanho das caixas acústicas frontais, central, traseiras, a posição das caixas acústicas traseiras, e se está ou não utilizando um subwoofer. (pág. 15)
Distância das caixas acústica	Especificar a distância das caixas acústicas frontais, central, e traseiras. (pág. 17)
Faixa do Dimmer	Especificar para que o visor se apague quando pressionar a tecla DIMMER várias vezes. (pág. 47)
Entrada de vídeo MULTI CH IN	Especificar a entrada de vídeo a ser utilizada com os sinais de áudio provenientes das tomadas MULTI CH IN. (pág. 47)

6 Indicador MULTI CHANNEL DECODING
Este indicador será aceso quando o aparelho estiver decodificando sinais gravados em formato multicanal.

7 Tecla/indicador LEVEL
Pressione-a para ativar os parâmetros de nível das caixas acústicas (pág. 31). O indicador da tecla será aceso e você poderá ajustar os vários parâmetros de nível das caixas acústicas (balanço frontal, traseiro, etc).

8 Tecla/indicador SURR
Pressione-a para ativar os parâmetros surround (pág. 30). O indicador da tecla será aceso e você poderá ajustar os vários parâmetros surround (nível de efeito, tipo de parede, etc).

9 Tecla MULTI CH IN
Pressione-a para ouvir a fonte de áudio conectada às tomadas MULTI CH IN simultaneamente com o vídeo do componente selecionado. Pressione novamente para cancelar MULTI CH IN.

- Quando é selecionado o MULTI CH IN, os parâmetros de tom, campo sonoro e surround não funcionam.

10 Teclas de tonalidade
Tecla TREBLE +/–
Pressione esta tecla para ajustar o tom (agudo) (pág. 32).

Tecla BASS +/–
Pressione esta tecla para ajustar o tom (grave) (pág. 32).

11 Tecla INPUT MODE

Pressione-a para selecionar o modo de entrada para os componentes digitais (DVD / LD e TV / SAT).
Cada vez que a tecla for pressionada, o modo de entrada do componente selecionado mudará conforme a seguir.

Selecione	Para
AUTO	Priorizar os sinais digitais quando existirem conexões digitais e analógicas. Se não houver sinais digitais, os analógicos serão selecionados
DIGITAL (OPTICAL)	Especificar os sinais digitais de áudio que serão enviados para as tomadas de entrada DIGITAL OPTICAL (somente TV / SAT)
DIGITAL (COAXIAL)	Especificar os sinais digitais de áudio que serão enviados para as tomadas de entrada DIGITAL COAXIAL (somente DVD / LD)
ANALOG	Especificar os sinais de áudio analógicos que serão enviados para as tomadas AUDIO IN (L - esquerdo e R - direito)

Nota

Quando forem emitidos sinais digitais de 96 kHz, os parâmetros de tom, campo sonoro e surround não funcionarão.

12 Teclas de função

Pressione uma das teclas para selecionar o componente que deseja utilizar.

Para selecionar	Pressione
Videocassete	VIDEO
Reprodutor de DVD ou LD	DVD / LD
Sintonizador de TV ou SAT (receptor satélite)	TV / SAT
Reprodutor / gravador de MD ou fitas	MD / TAPE
Reprodutor de CD	CD
Sintonizador incorporado	TUNER

Após selecionar o componente, ligue-o e reproduza a fonte de programa.

- Após selecionar o videocassete, reprodutor de DVD ou LD, ligue o TV e ajuste a entrada de vídeo de acordo com o componente selecionado.

13 Controle MASTER VOLUME

Após ligar o componente selecionado, gire-o para ajustar o volume.

14 Tecla MUTING

Pressione-a para silenciar o som. MUTING aparecerá no visor quando o som estiver silenciado.

15 SOUND FIELD

Use as teclas SOUND FIELD (campo sonoro) para ouvir o som surround. Para maiores detalhes, veja "Utilizando o Som Surround", a partir da pág. 24.

Tecla/indicador A.F.D

Pressione-a para que o receiver detecte automaticamente o tipo de sinal de áudio que está sendo recebido e faça a decodificação correta (se necessário).

Tecla/indicador MODE

Pressione-a para ativar o modo de seleção do campo sonoro (pág. 25).

Tecla/indicador 2CH

Pressione-a para emitir o som somente através das caixas acústicas frontais (esquerda e direita).

16 Tecla/indicador NAME

Pressione para ativar a função de nomeação e coloque os nomes para as emissoras memorizadas e fontes de programa (pág. 39).

17 Tecla ENTER

Pressione para colocar os caracteres individuais para os nomes das emissoras memorizadas e fontes de programa.

18 Teclas MENU +/–

Pressione para ajustar o nível da caixa acústica selecionada e o parâmetro do surround, (etc.).

19 Teclas MENU </>

Pressione para selecionar os vários níveis das caixas acústicas e parâmetros do surround (etc.).

20 Tomada PHONES

Conecte o fone de ouvido.

- Ao conectar o fone de ouvido, nenhum som sairá das caixas acústicas.

SEÇÂO 2
MODO DE TESTE

MODO DE MOSTRAGEM DA VERSÃO DO PROGRAMA

* A versão do software é mostrada.
* Procedimento:
  Enquanto pressionar TUNER e o botão VIDEO simultâneamente, pressione o botão I/⏻ para ligar o aparelho.
  O modelo, origem e versão do programa são mostradas no visor.

MODO DE TESTE DO DISPLAY FLUORESCENTE

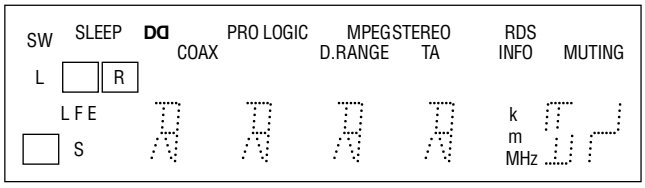
* Todos os segmentos fluorescentes são testados. Quanto este teste é ativado, todos os segmentos acendem ao mesmo tempo.

* Procedimento:
  Enquanto pressiona TV/SAT e o botão DVD/LD simultâneamente, pressione o botão I/⏻ power para ligar o aparelho.

1. Todos os segmentos acendem:

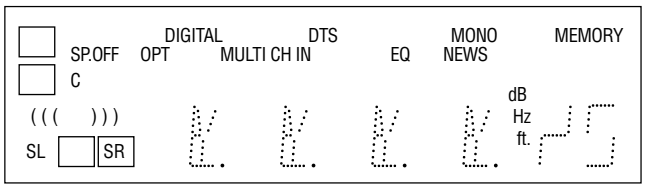
NAME , SURR e SOUND FIELD MODE LED acendem.

2. Pressione VIDEO novamente



Digital Cinema Sound, SET UP e 2CH LED acendem.

3. Pressione VIDEO novamente:



MULTI CHANNEL DECODING(azul), LEVEL e A.F.D LED acendem

4. Pressione VIDEO novamente. Todos os segmentos apagam.

5. Ao pressionar o botão VIDEO você poderá acender os segmentos um após o outro, na mesma ordem.
   (Não apenas VIDEO botão, mas também estes outros botões DVD/LD , TV/SAT , MD/TAPE , CD , TUNER podem ser usados.)

MODO DE FÁBRICA

* A configuração de fábrica é restabelecida.
* Procedimento:
  Enquanto pressiona VIDEO e o CD (botões) simultâneamente, pressione o botão I/⏻ para ligar o aparelho.
  Procedimento:
  Enquanto pressionar VIDEO e CD simultaneamente com o botão I/⏻ . A mensagem FACTORY aparece no visor, o conteúdo atual é apagado, voltando a ter a configuração de fábrica.

MODO RESET PARA O CAMPO SONORO

* A configuração do campo sonoro é apagada quando este modo é ativado. Use este modo antes de retornar o aparelho consertado para o consumidor.
* Procedimento:
  Enquando pressiona SOUND FIELD MODE , pressione também power I/⏻ para ligar o aparelho. A mensa seguinte é mostrada no visor: S. F. CLR , e o aparelho reinicializa.

PASSO DE CANAL AM 9 kHz/10 kHz MODO DE SELEÇÃO

* Tanto o passo de 9 kHz quanto o de 10 kHz podem ser selecionados para o canal AM.
* Procedimento:
  Coloque o aparelho na função AM e desligue-o.
  Enquanto pressiona TUNING+ ou o botão PRESET TUNING+ pressione também o I/⏻ para ligar o aparelho. A mensagem 9 k STEP or 10 k STEP aparece no visor. Selecione o passo desejado.

MODO DE VERIFICAÇÃO DOS BOTÕES

* Verificação de funcionamento.
* Procedimento:
  Enquanto pressiona SURR e A.F.D simultâneamente, pressione power I/⏻ para ligar o aparelho.
  "REST 36" aparece no visor.
  Ao pressionar qualquer botão, exceto I/⏻ (power), os botões serão contados em ordem decrescente. os botões já pressionados não serão contados novamente. Quando todos forem apertados, aparecerá "REST 00".
  Quando MASTER VOLUME é girado no sentido horário.
  "VOL MIN", "VOL 1" a "VOL 30", "VOL MAX" aparecem.

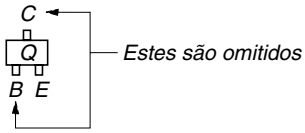
SEÇÃO 3
DIAGRAMAS

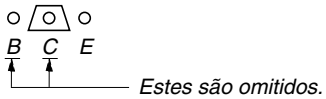
ESTA NOTA É COMUM PARA PLACAS DE CIRCUITO IMPRESSO E DIAGRAMAS ESQUEMÁTICOS.

Para diagramas esquemáticos
Nota:
- Todos os capacitores estão em µF se não estiver especificado. pF: µµF 50 WV a não ser que esteja especificado, exceto para os eletrolíticos e os de tântalo.
- Todos os resistores estão em Ω e 1/4 W a menos que esteja especificados.
- % : indica tolerância.
- △ : componente interno.
- : resistor anti-chama
- : resistor fusível.
- : designação do painel.

Nota:
Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas nesse manual.

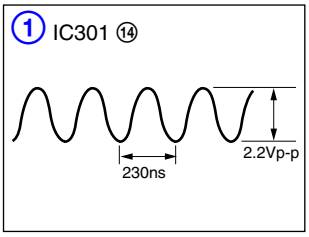
Para placas de circuito impresso
Nota:
- ○——— : partes extraídas do lado componente.
- ○ : através do furo.
- △ : componente interno.
- : padrão para o lado oculto.



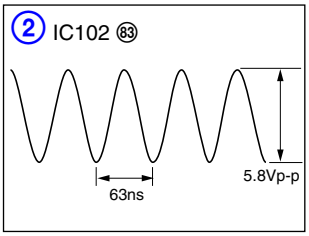


- : B+ Line.
- : B– Line.
- : ajuste para reparo
- Voltagens e formas de onda em DC em relação ao terra em condições sem sinal.
  No mark : FM
- Voltagens obtidas com um VOM (impedância de entrada de 10 M Ω). Variações de voltagem podem ser observadas dentro de uma determinada tolerância.
- Formas de onda são obtidas com um osciloscópio.
- Números circulados referem-se a formas de onda.
- Simbologia
  ⇨ : FM
  f : CD

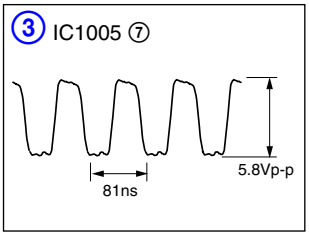
• Formas de Onda
– PLACA PRINCIPAL –



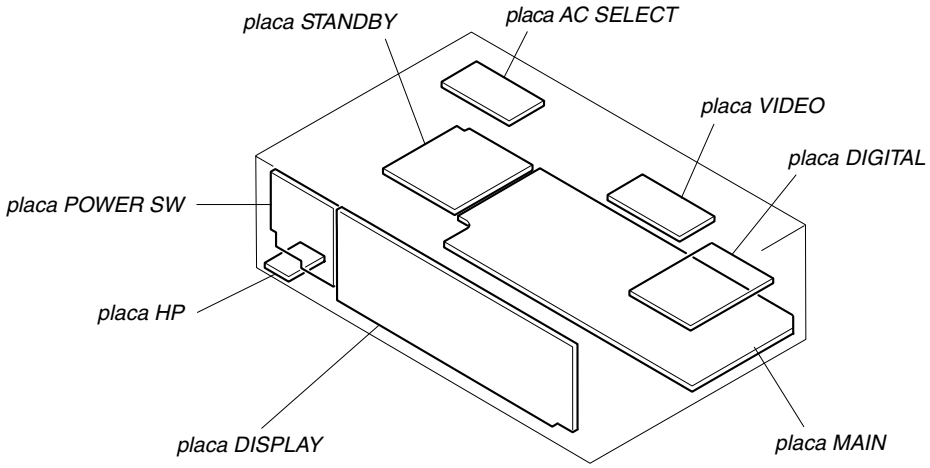
– PLACA DISPLAY –



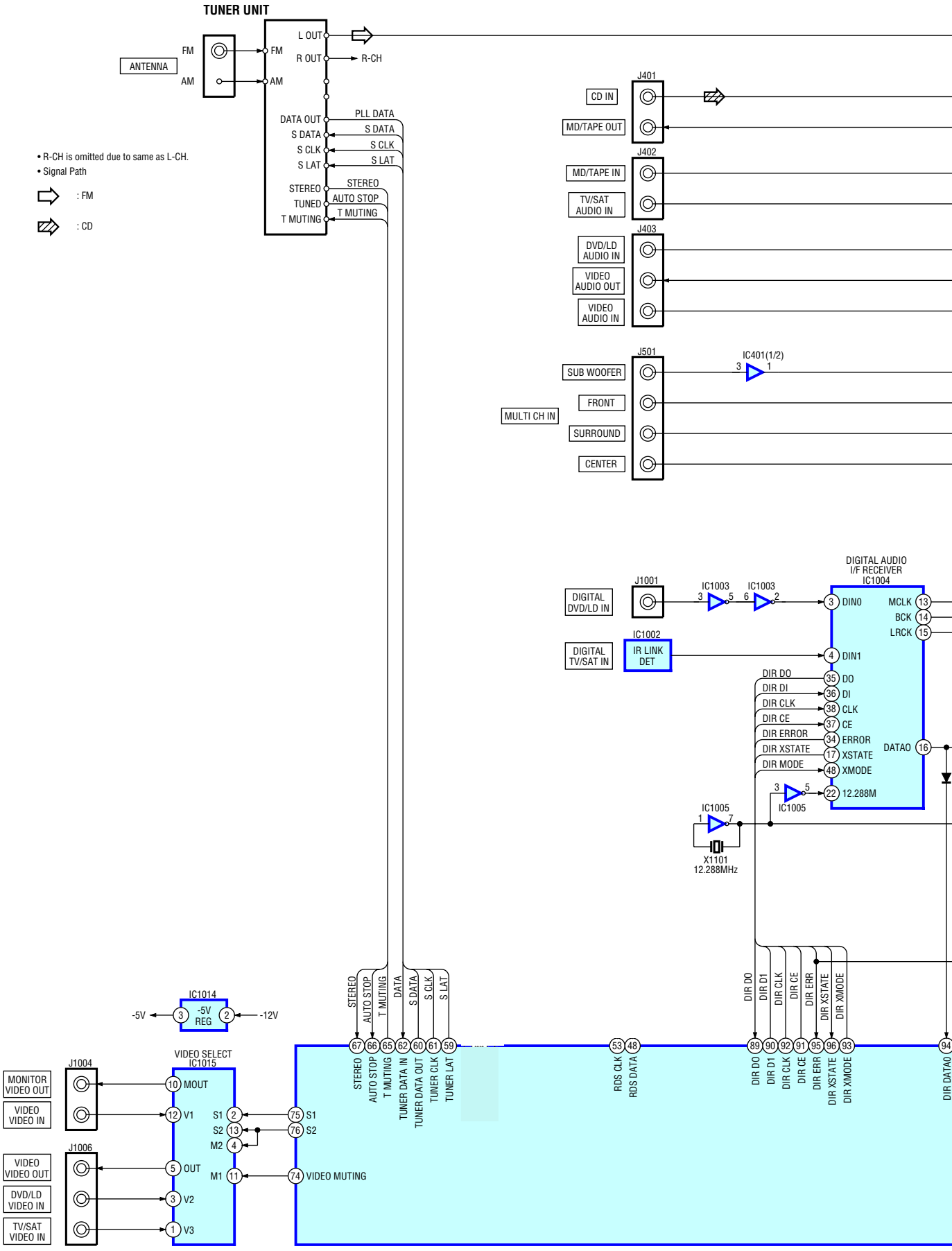
– PLACA DIGITAL –

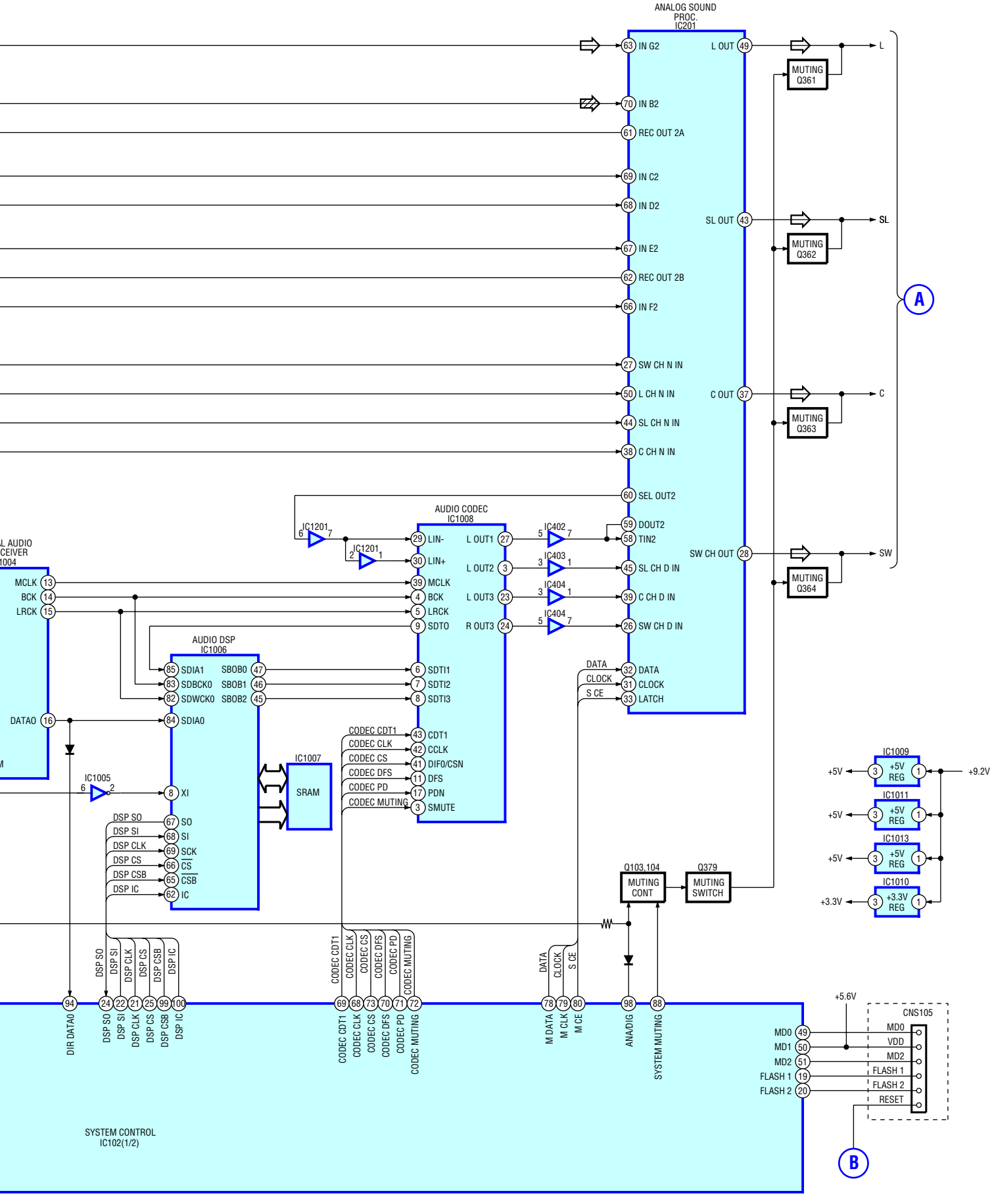


3-1. LOCALIZAÇÃO DAS PLACAS DE CIRCUITO

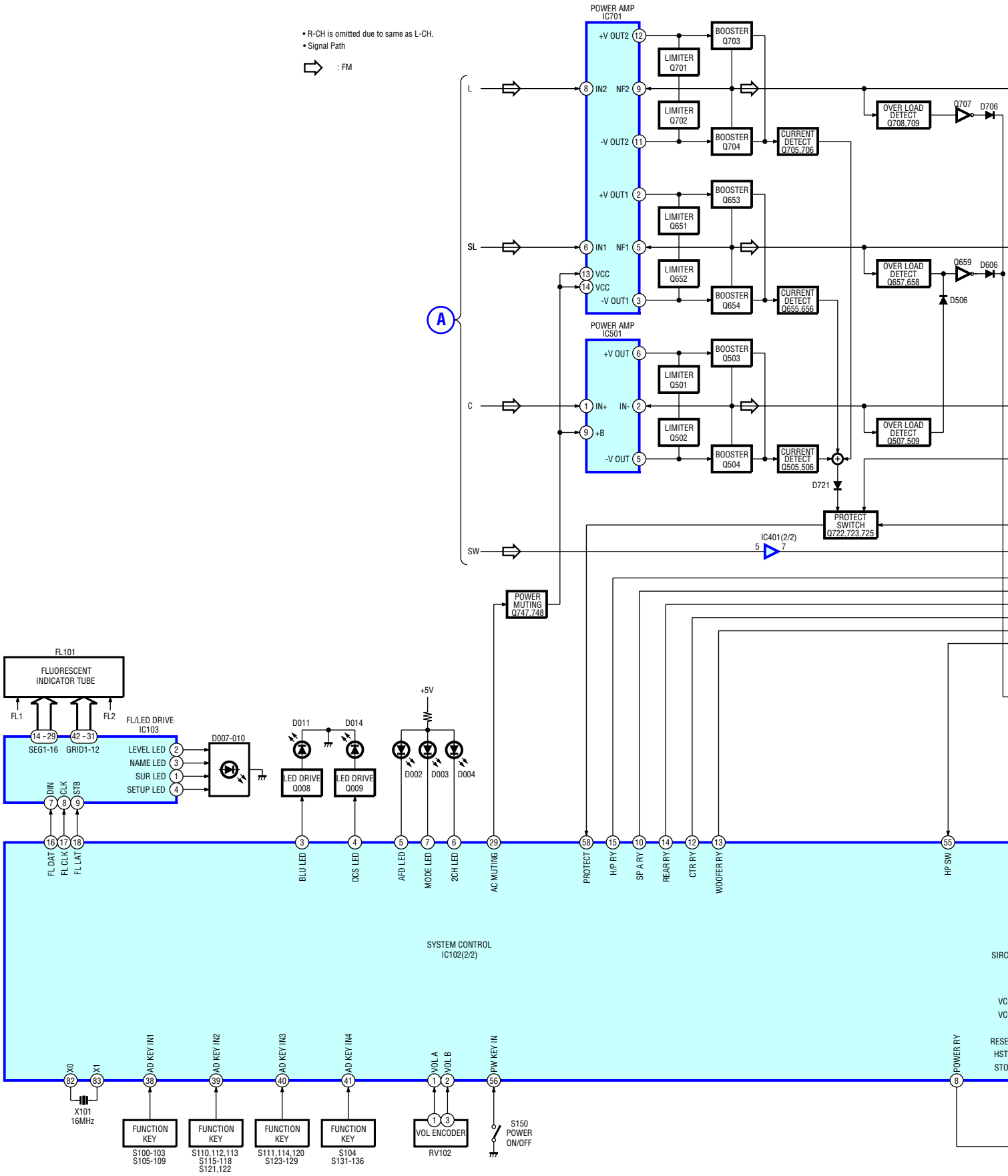


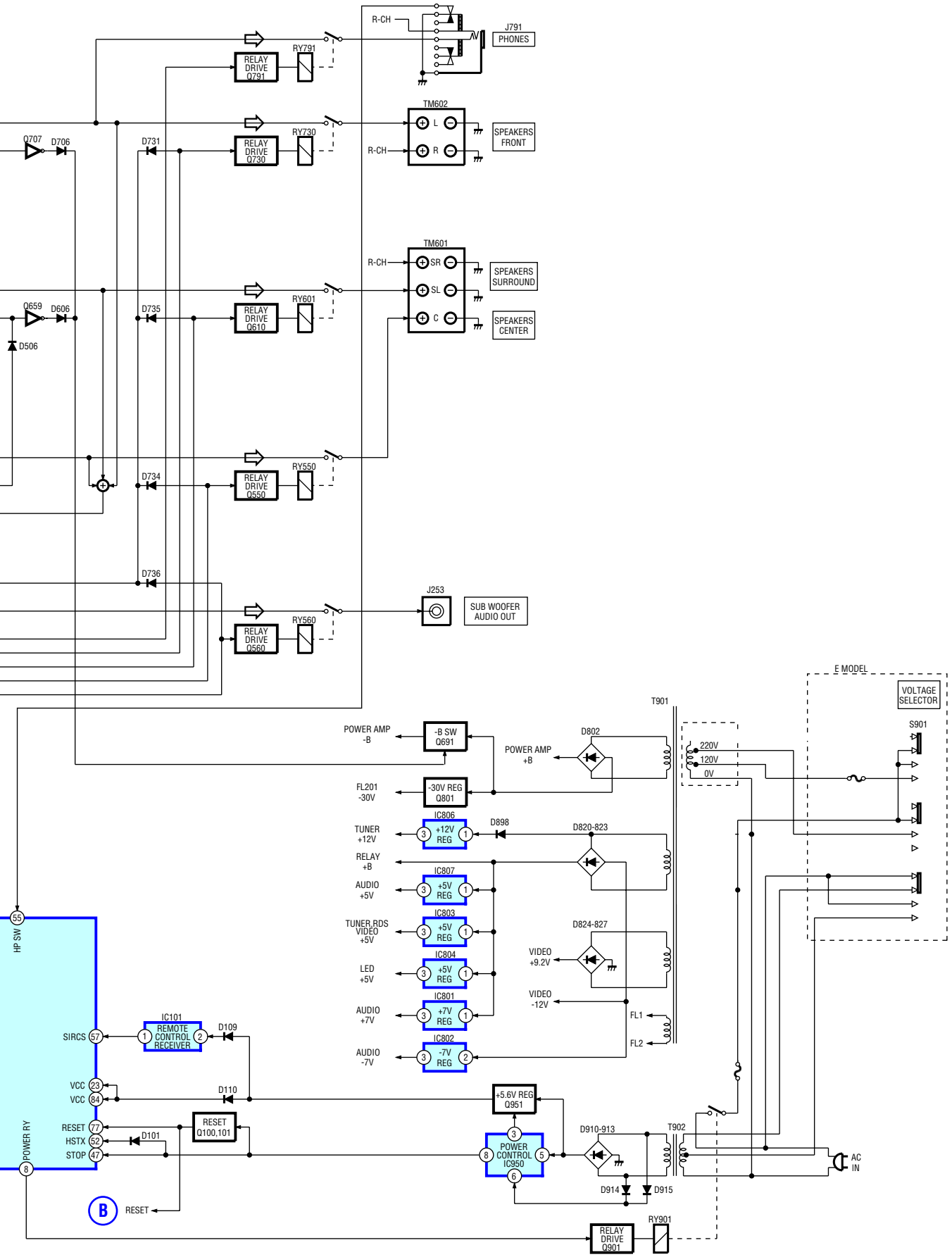
3-2.DIAGRAMA EM BLOCO - SEÇÃO PRINCIPAL



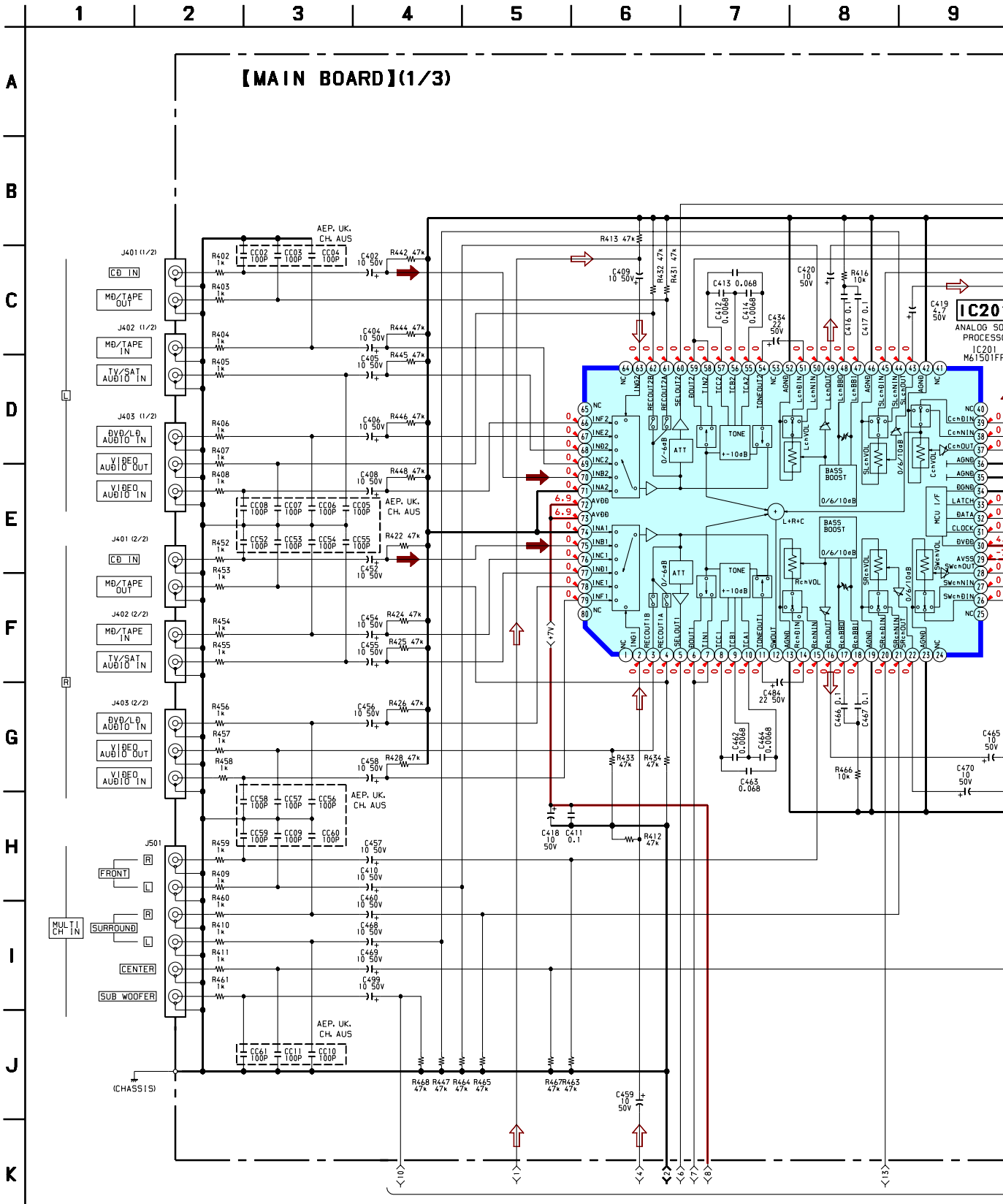

ANALOG SOUND PROC. IC201
63 IN G2
70 IN B2
61 REC OUT 2A
69 IN C2
68 IN D2
67 IN E2
62 REC OUT 2B
66 IN F2
27 SW CH N IN
50 L CH N IN
44 SL CH N IN
38 C CH N IN
60 SEL OUT2
L OUT 49
SL OUT 43
C OUT 37
SW CH OUT 28
MUTING Q361
MUTING Q362
MUTING Q363
MUTING Q364
L
SL
C
SW
A
AUDIO CODEC IC1008
29 LIN-
30 LIN+
39 MCLK
4 BCK
5 LRCK
9 SDTO
L OUT1 27
L OUT2 3
L OUT3 23
R OUT3 24
59 DOUT2
58 TIN2
45 SL CH D IN
39 C CH D IN
26 SW CH D IN
32 DATA
31 CLOCK
33 LATCH
IC1201
IC402
IC403
IC404
AUDIO DSP IC1006
85 SDIA1
83 SDBCK0
82 SDWCK0
84 SDIA0
SBOB0 47
SBOB1 46
SBOB2 45
6 SDTI1
7 SDTI2
8 SDTI3
MCLK 13
BCK 14
LRCK 15
DATA0 16
IC1005
8 XI
IC1007
SRAM
DSP SO 67
DSP SI 68
DSP CLK 69
DSP CS 66
DSP CSB 65
DSP IC 62
CODEC CDT1 43
CODEC CLK 42
CODEC CS 41
CODEC DFS 11
CODEC PD 17
CODEC MUTING 3
DIF0/CSN
DFS
PDN
SMUTE
Q103,104 MUTING CONT
Q379 MUTING SWITCH
IC1009 +5V REG
IC1011 +5V REG
IC1013 +5V REG
IC1010 +3.3V REG
+5V
+9.2V
+3.3V
94 DIR DATA0
24 DSP SO
22 DSP SI
21 DSP CLK
25 DSP CS
99 DSP CSB
100 DSP IC
69 CODEC CDT1
68 CODEC CLK
73 CODEC CS
70 CODEC DFS
71 CODEC PD
72 CODEC MUTING
78 M DATA
79 M CLK
80 M CE
98 ANA/DIG
88 SYSTEM MUTING
+5.6V
CNS105
MD0 49
MD1 50
MD2 51
FLASH 1 19
FLASH 2 20
RESET
B
SYSTEM CONTROL IC102(1/2)

3-3. DIAGRAMA EM BLOCO - SEÇÃO DISPLAY

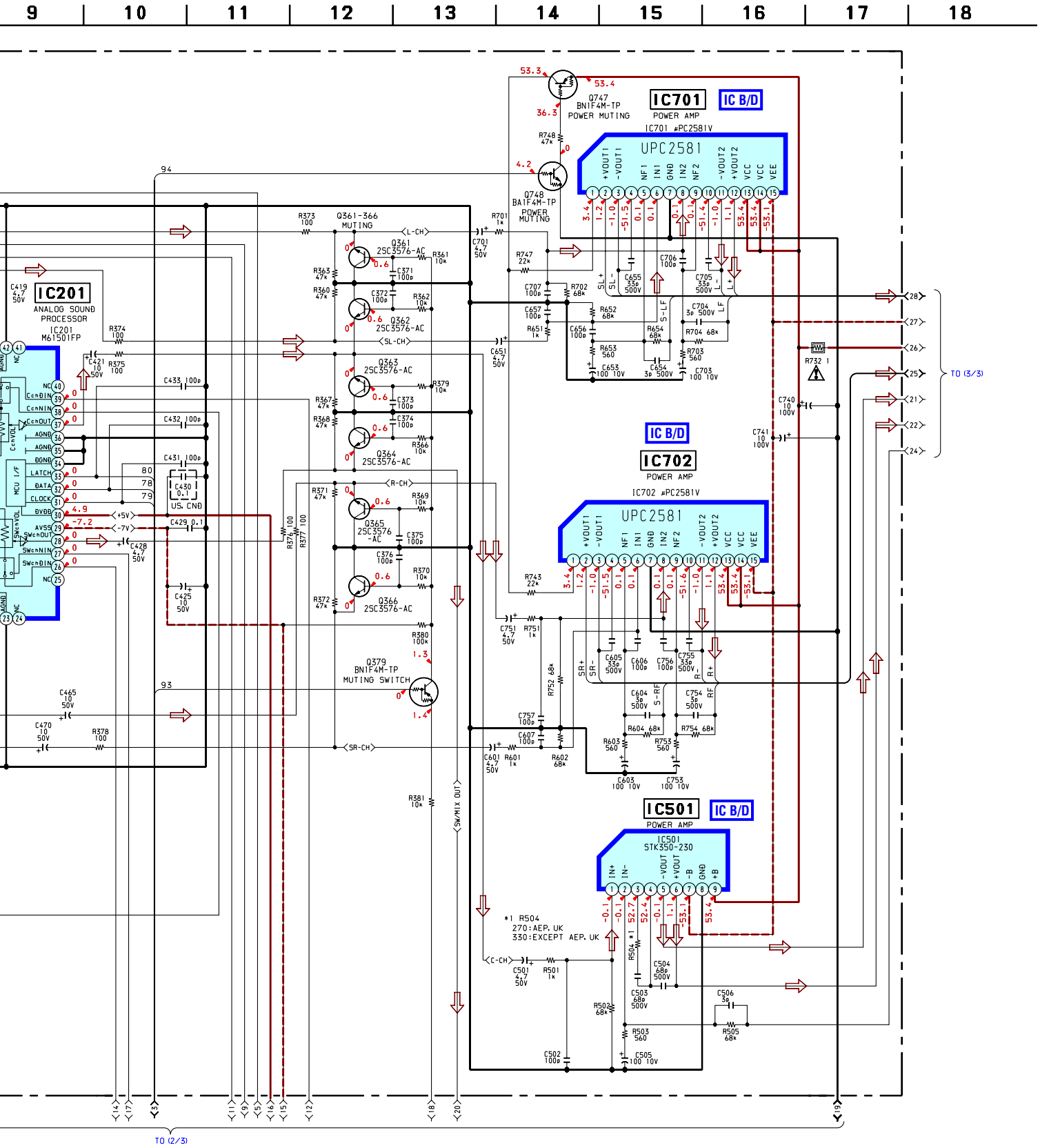



R-CH
J791
PHONES
RELAY DRIVE Q791
RY791
TM602
L
R
SPEAKERS FRONT
Q707
D706
D731
RELAY DRIVE Q730
RY730
TM601
SR
SL
C
SPEAKERS SURROUND
SPEAKERS CENTER
Q659
D606
D506
D735
RELAY DRIVE Q610
RY601
D734
RELAY DRIVE Q550
RY550
D736
J253
SUB WOOFER AUDIO OUT
RELAY DRIVE Q560
RY560
E MODEL
VOLTAGE SELECTOR
S901
T901
220V
120V
0V
POWER AMP -B
-B SW Q691
POWER AMP +B
D802
FL201 -30V
-30V REG Q801
IC806
TUNER +12V
+12V REG
D898
D820-823
RELAY +B
IC807
AUDIO +5V
+5V REG
IC803
TUNER,RDS VIDEO +5V
IC804
LED +5V
IC801
AUDIO +7V
+7V REG
IC802
AUDIO -7V
-7V REG
D824-827
VIDEO +9.2V
VIDEO -12V
FL1
FL2
HP SW
55
IC101
REMOTE CONTROL RECEIVER
SIRCS 57
D109
VCC 23
VCC 84
D110
RESET 77
HSTX 52
STOP 47
D101
RESET Q100,101
POWER RY
8
B
RESET
+5.6V REG Q951
POWER CONTROL IC950
D910-913
T902
D914
D915
AC IN
RELAY DRIVE Q901
RY901

3-4. DIAGRAMA ESQUEMÁTICO – SEÇÃO PRINCIPAL (1/3) – • Veja pág. 21 para diagrama em bloco dos IC's.

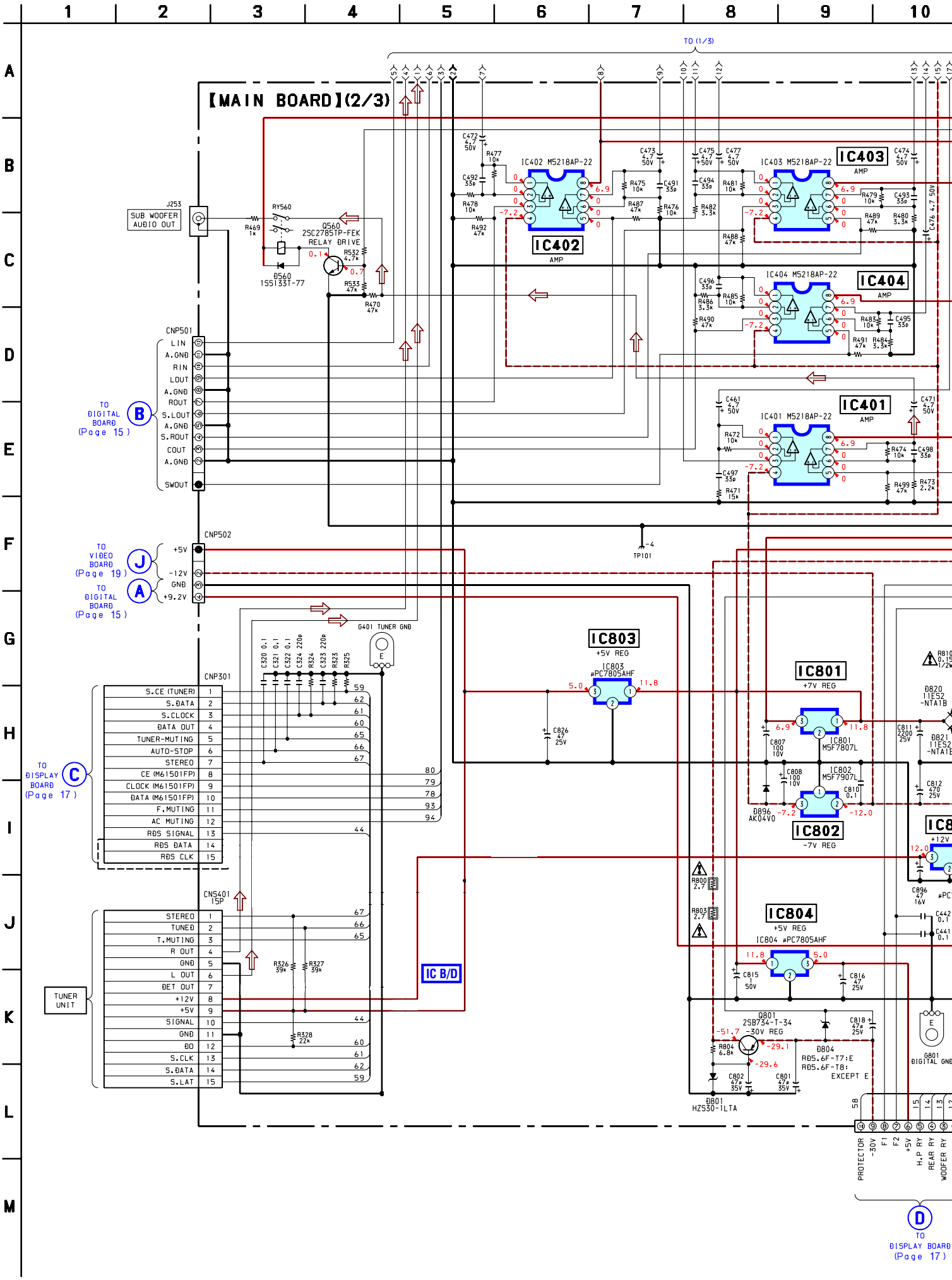


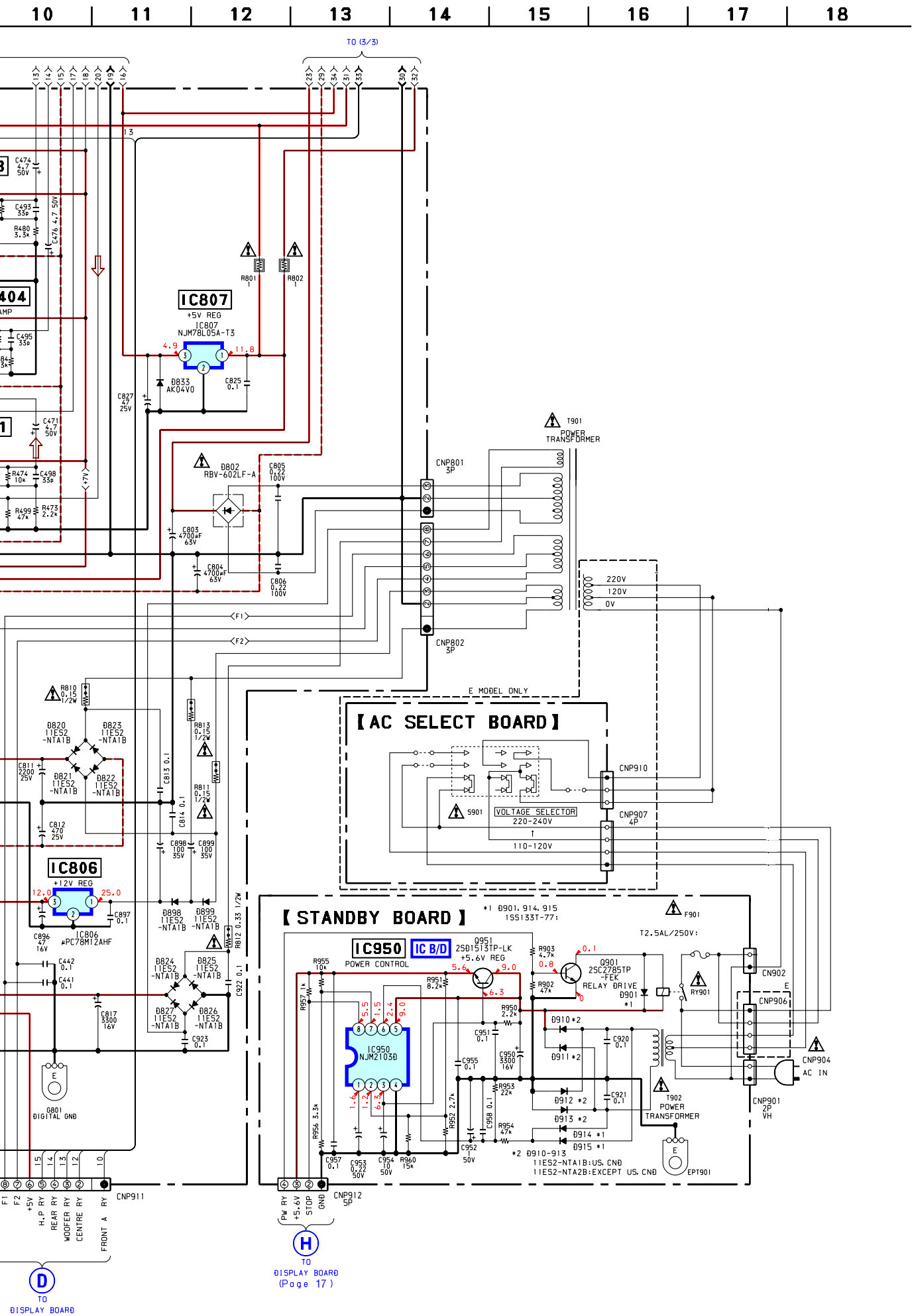
IC's.


9
10
11
12
13
14
15
16
17
18
IC701
IC B/D
POWER AMP
IC701 μPC2581V
UPC2581
Q747
BN1F4M-TP
POWER MUTING
Q748
BA1F4M-TP
POWER MUTING
IC201
ANALOG SOUND PROCESSOR
IC201
M61501FP
Q361-366
MUTING
2SC3576-AC
Q379
BN1F4M-TP
MUTING SWITCH
IC702
POWER AMP
IC702 μPC2581V
IC501
IC B/D
POWER AMP
IC501
STK350-230
*1 R504
270:AEP, UK
330:EXCEPT AEP, UK
L-CH
SL-CH
R-CH
SR-CH
C-CH
SW/MIX OUT
TO (3/3)
TO (2/3)
US, CND

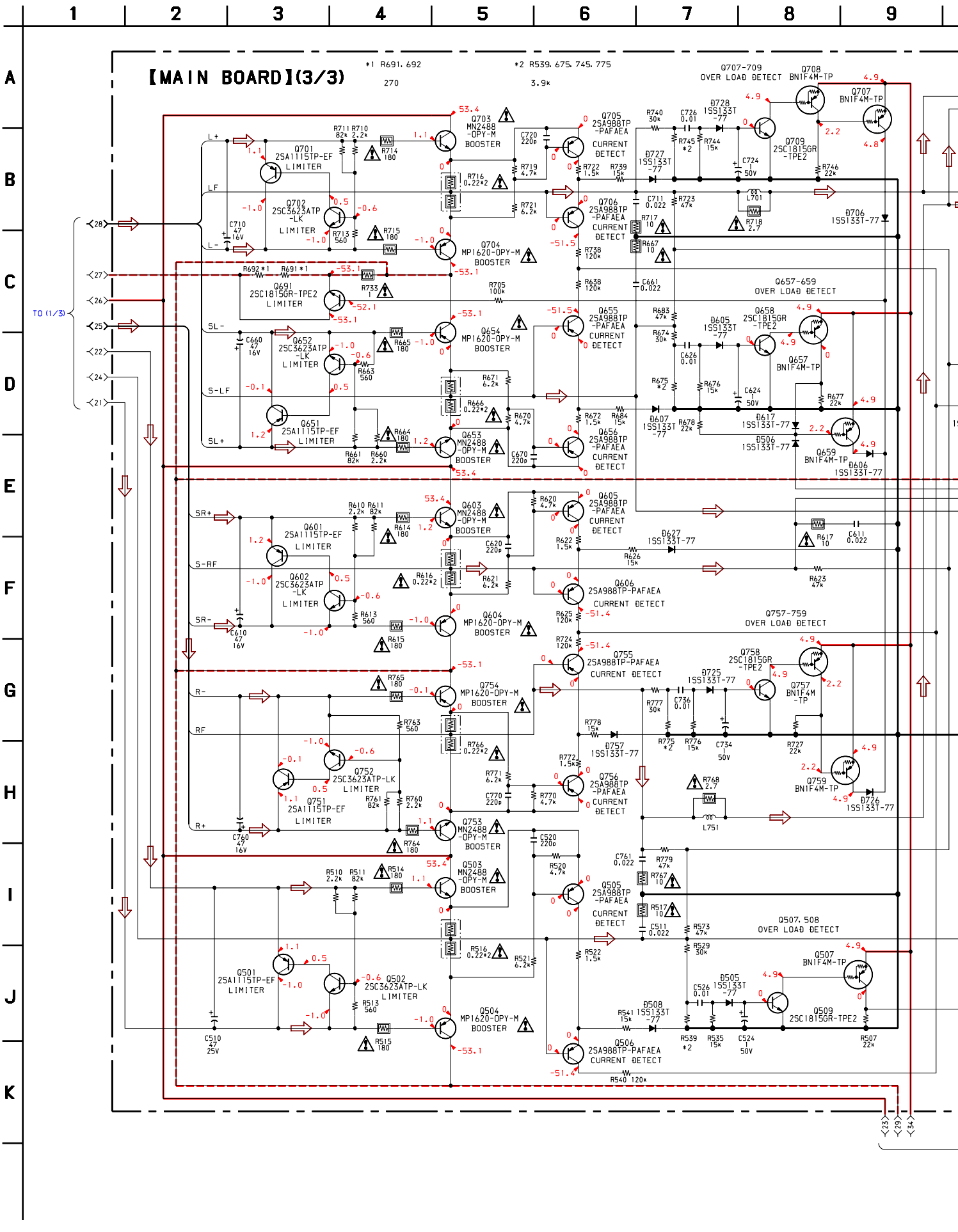
3-5. DIAGRAMA ESQUEMÁTICO – SEÇÃO (2/3) –

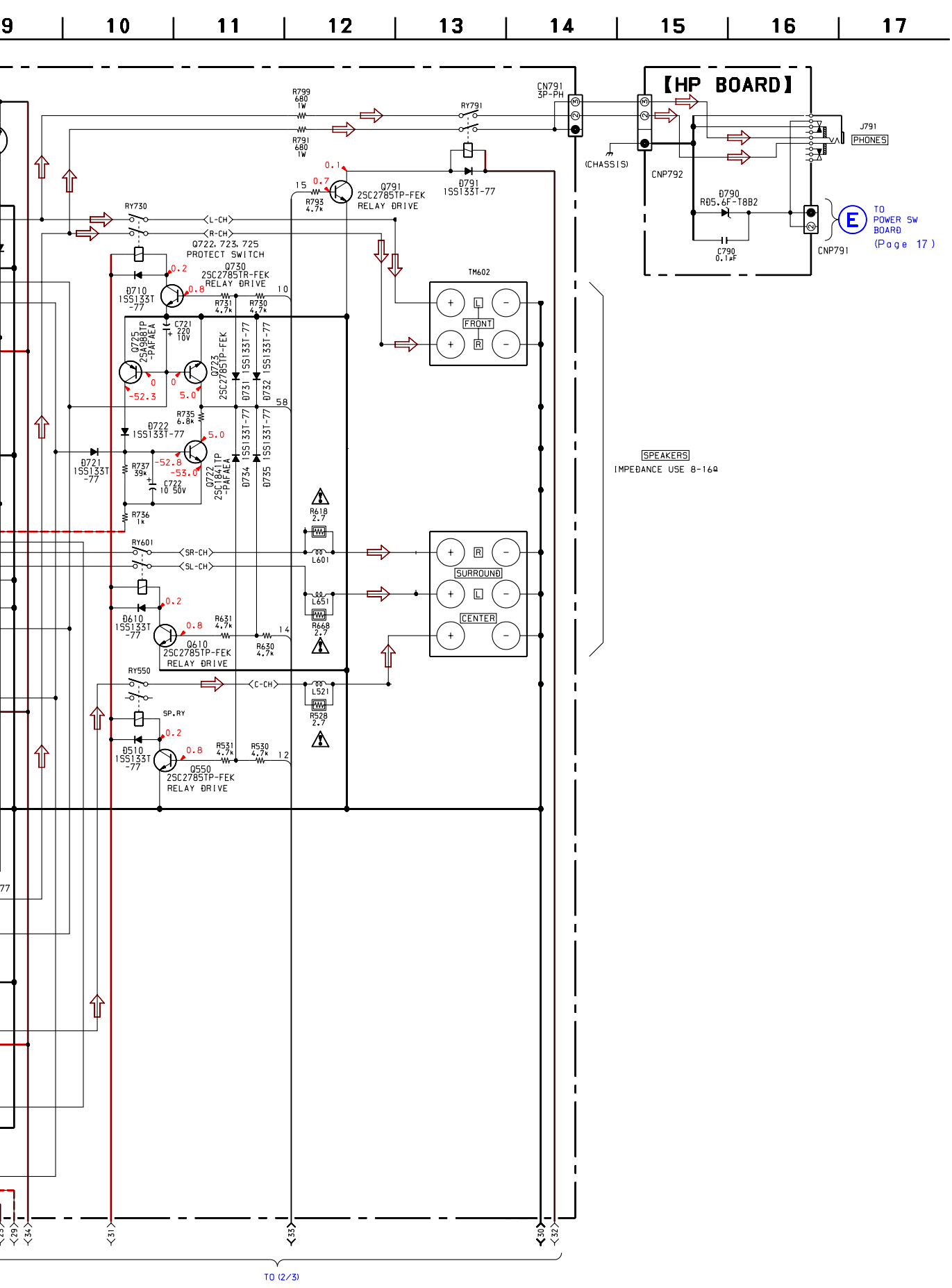
• Veja pág. 21 para diagrama em bloco dos IC's.



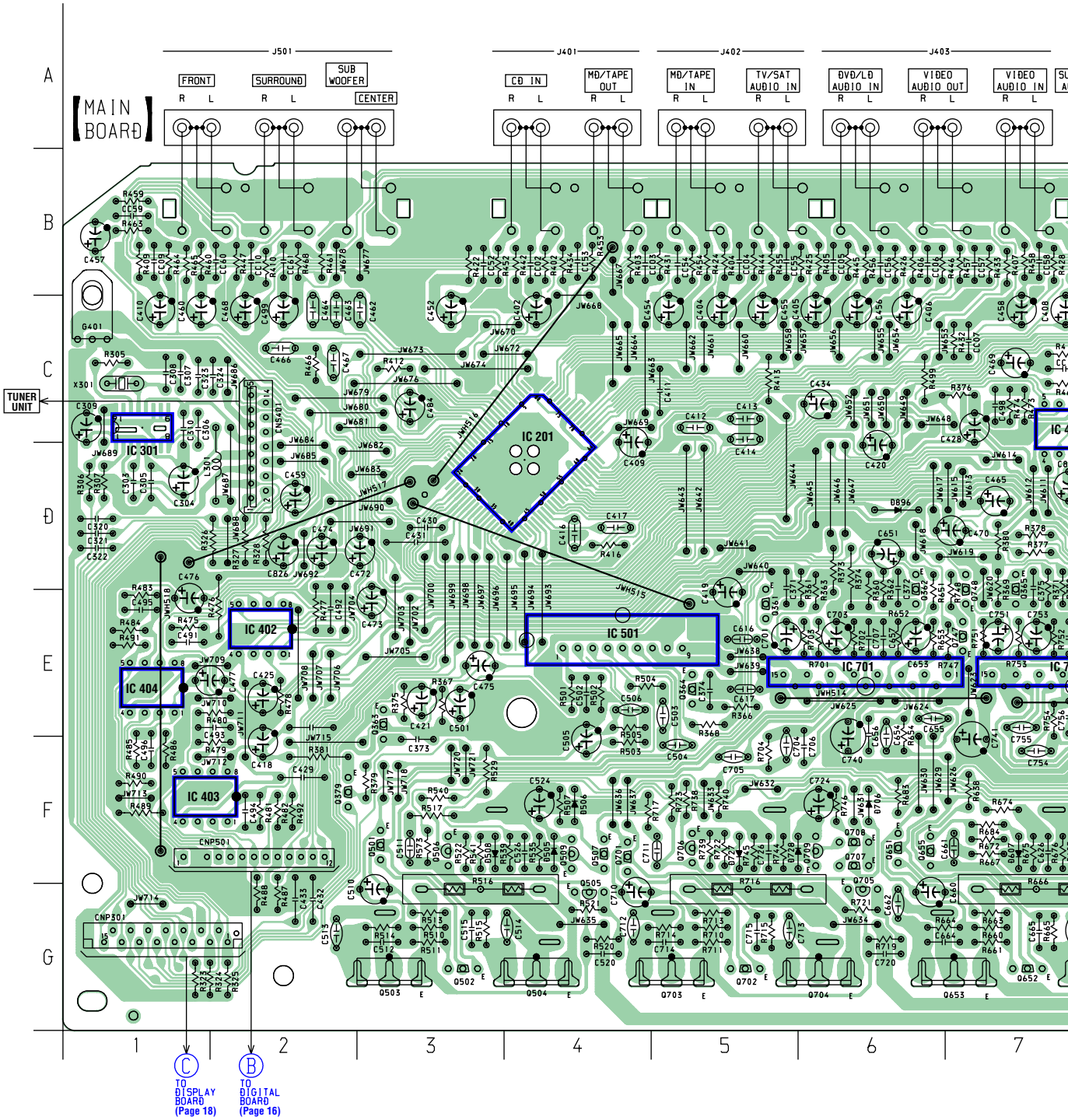

10
11
12
13
14
15
16
17
18
TO (3/3)
IC807
+5V REG
IC807
NJM78L05A-T3
D833
AK04V0
C825
0.1
C827
47
25V
R801
1
R802
1
T901
POWER
TRANSFORMER
D802
RBV-602LF-A
C805
0.22
100V
C803
4700uF
65V
C804
4700uF
65V
C806
0.22
100V
CNP801
3P
CNP802
3P
220V
120V
0V
F1
F2
E MODEL ONLY
【AC SELECT BOARD】
CNP910
S901
VOLTAGE SELECTOR
220-240V
110-120V
CNP907
4P
IC806
+12V REG
IC806
μPC78M12AHF
C896
47
16V
C897
0.1
D820
1ES2
-NTA1B
D821
1ES2
-NTA1B
D822
1ES2
-NTA1B
D823
1ES2
-NTA1B
C811
2200
25V
C812
470
25V
C813 0.1
C814 0.1
R810
0.15
1/2W
R811
0.15
1/2W
R813
0.15
1/2W
C898
100
35V
C899
100
35V
D898
1ES2
-NTA1B
D899
1ES2
-NTA1B
R812 0.33 1/2W
C922 0.1
D824
1ES2
-NTA1B
D825
1ES2
-NTA1B
D827
1ES2
-NTA1B
D826
1ES2
-NTA1B
C923
0.1
C442
0.1
C441
0.1
C817
3300
16V
G801
DIGITAL GND
【STANDBY BOARD】
*1 D901, 914, 915
1SS133T-77:
F901
T2.5AL/250V:
IC950
IC B/D
POWER CONTROL
Q951
2SD1513TP-LK
+5.6V REG
Q901
2SC2785TP
-FEK
RELAY DRIVE
D901
*1
RY901
CN902
E
CNP906
CNP904
AC IN
CNP901
2P
VH
T902
POWER
TRANSFORMER
E
EPT901
R955
10k
R957
1k
R956 3.3k
R951
8.2k
R903
4.7k
R902
47k
R950
2.2k
R953
22k
R954
47k
R952 2.7k
C951
0.1
C955
0.1
C950
3300
16V
C952
50V
C957
0.1
C953
0.22
50V
C954
10
50V
R960
15k
C958 0.1
D910 *2
D911 *2
D912 *2
D913 *2
D914 *1
D915 *1
C920
0.1
C921
0.1
*2 D910-913
1ES2-NTA1B:US, CND
1ES2-NTA2B:EXCEPT US, CND
CNP911
F1
F2
+5V
H.P RY
REAR RY
WOOFER RY
CENTRE RY
FRONT A RY
CNP912
5P
PW RY
+5.6V
STOP
GND
H
TO
DISPLAY BOARD
(Page 17)
D
TO
DISPLAY BOARD
(Page 17)

3-6. DIAGRAMA ESQUEMÁTICO – SEÇÃO PRINCIPAL (3/3) –



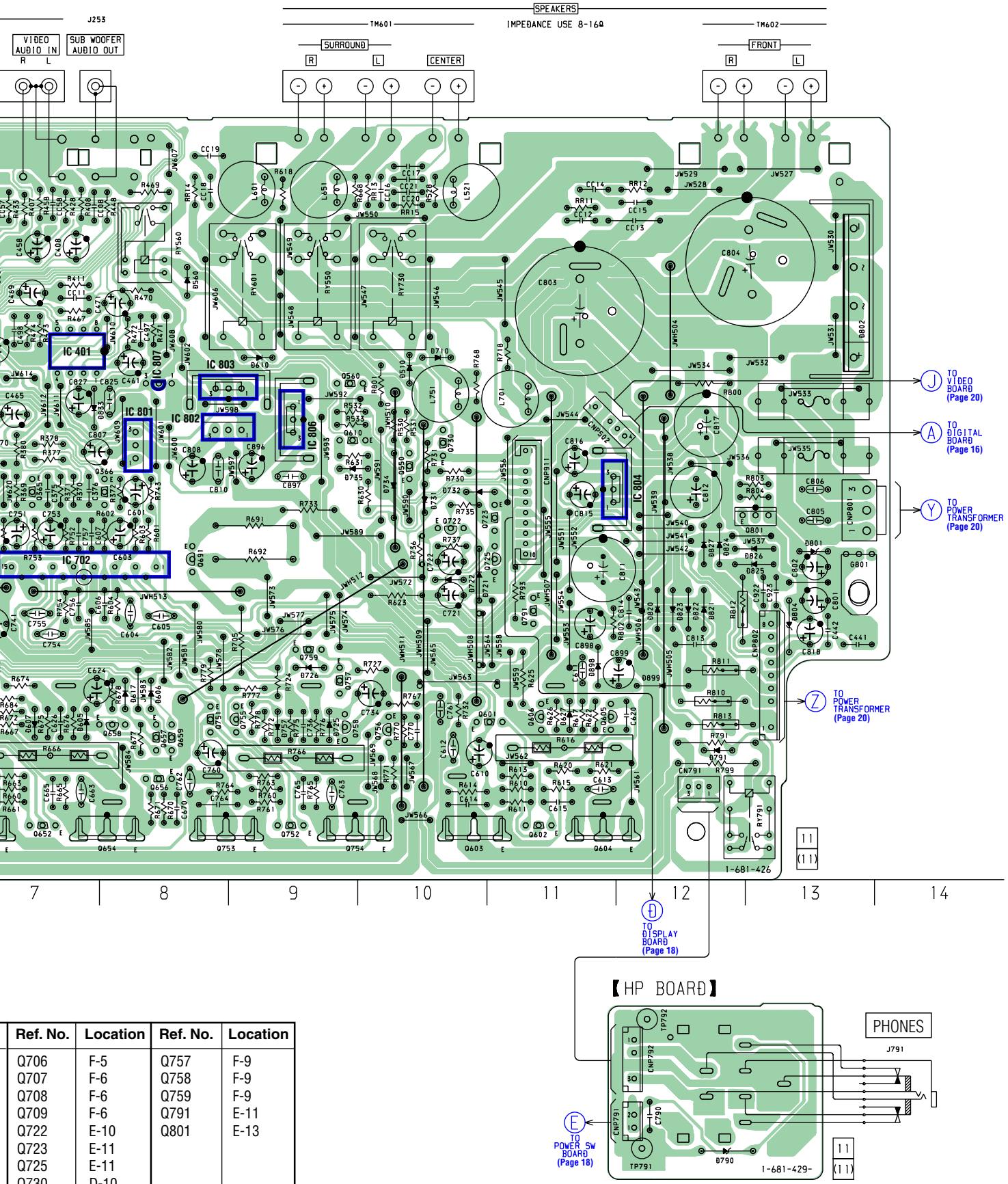

9
10
11
12
13
14
15
16
17
【HP BOARD】
CN791
3P-PH
RY791
R799
680
1W
R791
680
1W
(CHASSIS)
CNP792
J791
PHONES
D790
RB5.6F-T8B2
C790
0.1μF
CNP791
TO
POWER SW
BOARD
(Page 17)
RY730
L-CH
R-CH
Q722, 723, 725
PROTECT SWITCH
Q730
2SC2785TR-FEK
RELAY DRIVE
D710
1SS133T
-77
R731
4.7k
R730
4.7k
C721
220
10V
Q725
2SA988TP
-PAFAEA
Q723
2SC2785TP-FEK
D731
1SS133T-77
D732
1SS133T-77
R735
6.8k
D722
1SS133T-77
D721
1SS133T
-77
R737
39k
C722
10 50V
Q722
2SC1841TP
-PAFAEA
D734
1SS133T-77
D735
1SS133T-77
R736
1k
Q791
2SC2785TP-FEK
RELAY DRIVE
D791
1SS133T-77
R793
4.7k
TM602
FRONT
SURROUND
CENTER
SPEAKERS
IMPEDANCE USE 8-16Ω
R618
2.7
L601
L651
R668
2.7
L521
R528
2.7
RY601
SR-CH
SL-CH
D610
1SS133T
-77
Q610
2SC2785TP-FEK
RELAY DRIVE
R631
4.7k
R630
4.7k
RY550
C-CH
SP.RY
D510
1SS133T
-77
Q550
2SC2785TP-FEK
RELAY DRIVE
R531
4.7k
R530
4.7k
TO (2/3)

3-7. PLACA DE CIRCUITO IMPRESSO – SEÇÃO PRINCIPAL – • Ve



• Localização do Semicondutor

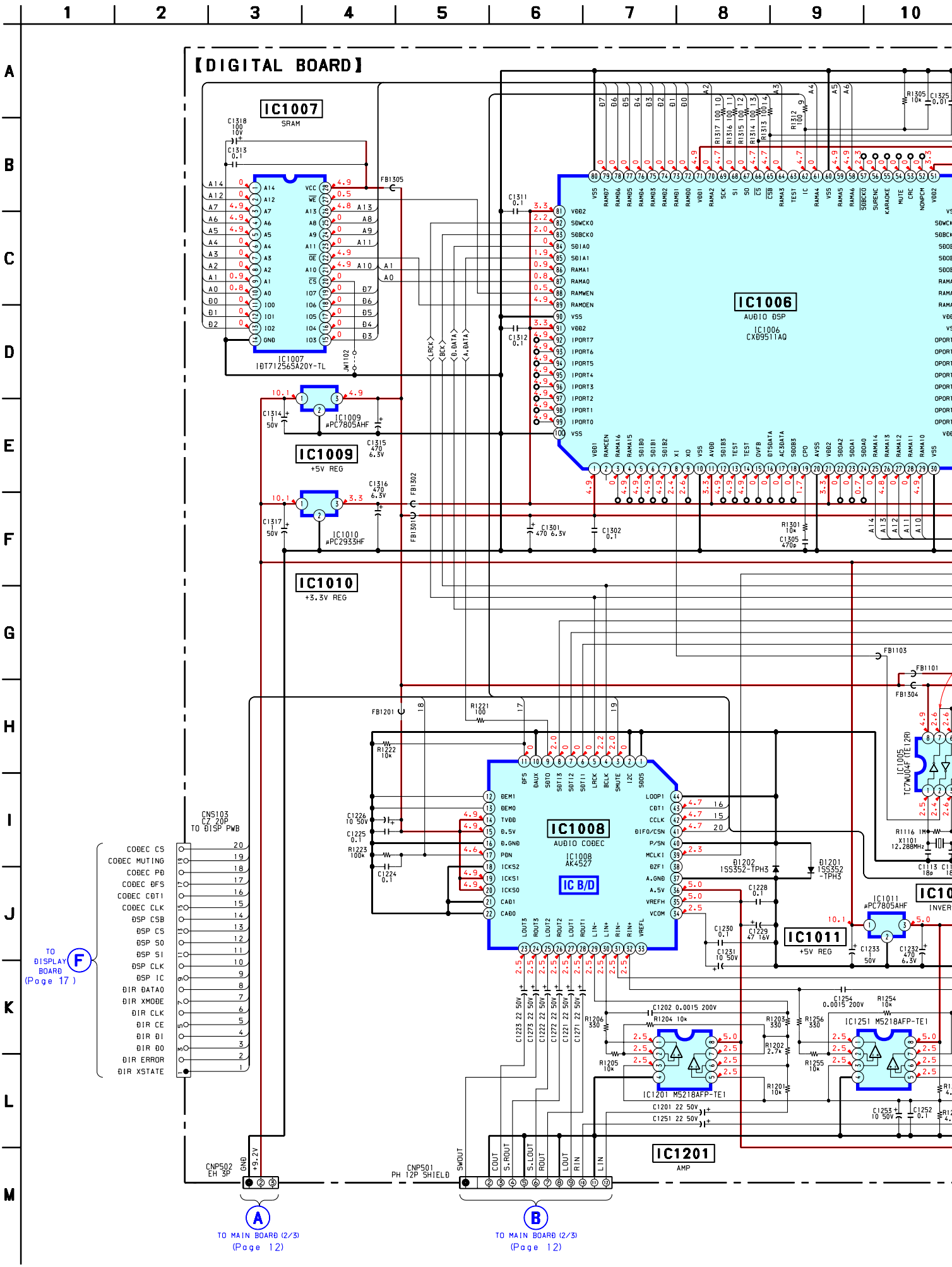
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.
D505	F-4	D726	F-9	D824	E-12	IC701	E-6	Q501	F-3	Q610	D-9	Q706
D506	F-4	D727	F-9	D825	E-13	IC702	E-7	Q502	G-3	Q651	F-6	Q707
D508	F-3	D728	F-5	D826	E-13	IC801	D-8	Q503	G-3	Q652	G-7	Q708
D510	D-10	D731	D-10	D827	E-12	IC802	D-8	Q504	G-4	Q653	G-7	Q709
D560	C-8	D732	D-10	D833	D-7	IC803	D-8	Q505	G-4	Q654	G-8	Q722
D605	F-7	D734	D-10	D896	D-6	IC804	D-11	Q506	F-3	Q655	F-6	Q723
D606	F-8	D735	D-9	D898	F-11	IC806	D-9	Q507	F-4	Q656	G-8	Q725
D607	F-7	D757	F-9	D899	F-12	IC807	D-8	Q509	F-4	Q657	F-8	Q730
D610	C-9	D791	F-12					Q550	D-10	Q658	F-8	Q747
D617	F-8	D801	E-13	IC201	D-4	Q361	E-5	Q560	D-9	Q659	F-8	Q748
D627	F-11	D802	C-13	IC301	C-1	Q362	E-6	Q601	F-10	Q691	E-8	Q751
D706	F-6	D804	F-13	IC401	C-7	Q363	E-3	Q602	G-11	Q701	F-4	Q752
D710	C-10	D820	E-12	IC402	E-2	Q364	E-5	Q603	F-11	Q702	G-5	Q753
D721	E-10	D821	E-12	IC403	F-1	Q365	E-7	Q604	G-11	Q703	G-5	Q754
D722	E-10	D822	E-12	IC404	E-1	Q366	E-8	Q605	F-11	Q704	G-6	Q755
D725	F-9	D823	E-12	IC501	E-4	Q379	F-2	Q606	F-11	Q705	G-6	Q756



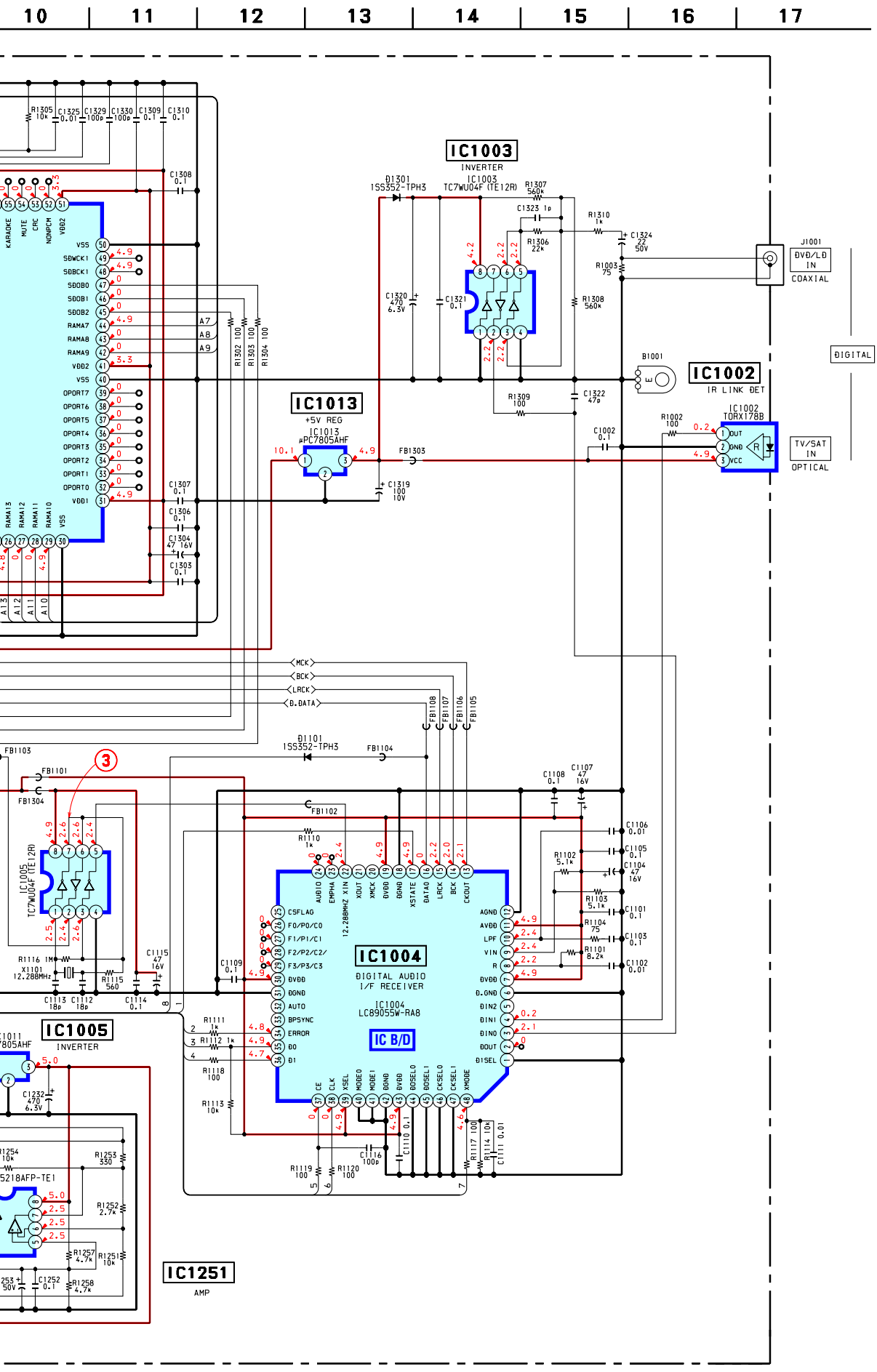
Ref. No.	Location	Ref. No.	Location
Q706	F-5	Q757	F-9
Q707	F-6	Q758	F-9
Q708	F-6	Q759	F-9
Q709	F-6	Q791	E-11
Q722	E-10	Q801	E-13
Q723	E-11		
Q725	E-11		
Q730	D-10		
Q747	E-7		
Q748	E-7		
Q751	F-8		
Q752	G-9		
Q753	G-8		
Q754	G-9		
Q755	F-9		
Q756	F-10		

3-8. DIAGRAMA ESQUEMÁTICO - SEÇÃO DIGITAL –

• Veja pág. 21 para diagrama em bloco dos IC's. • Veja pág. 7 para formas

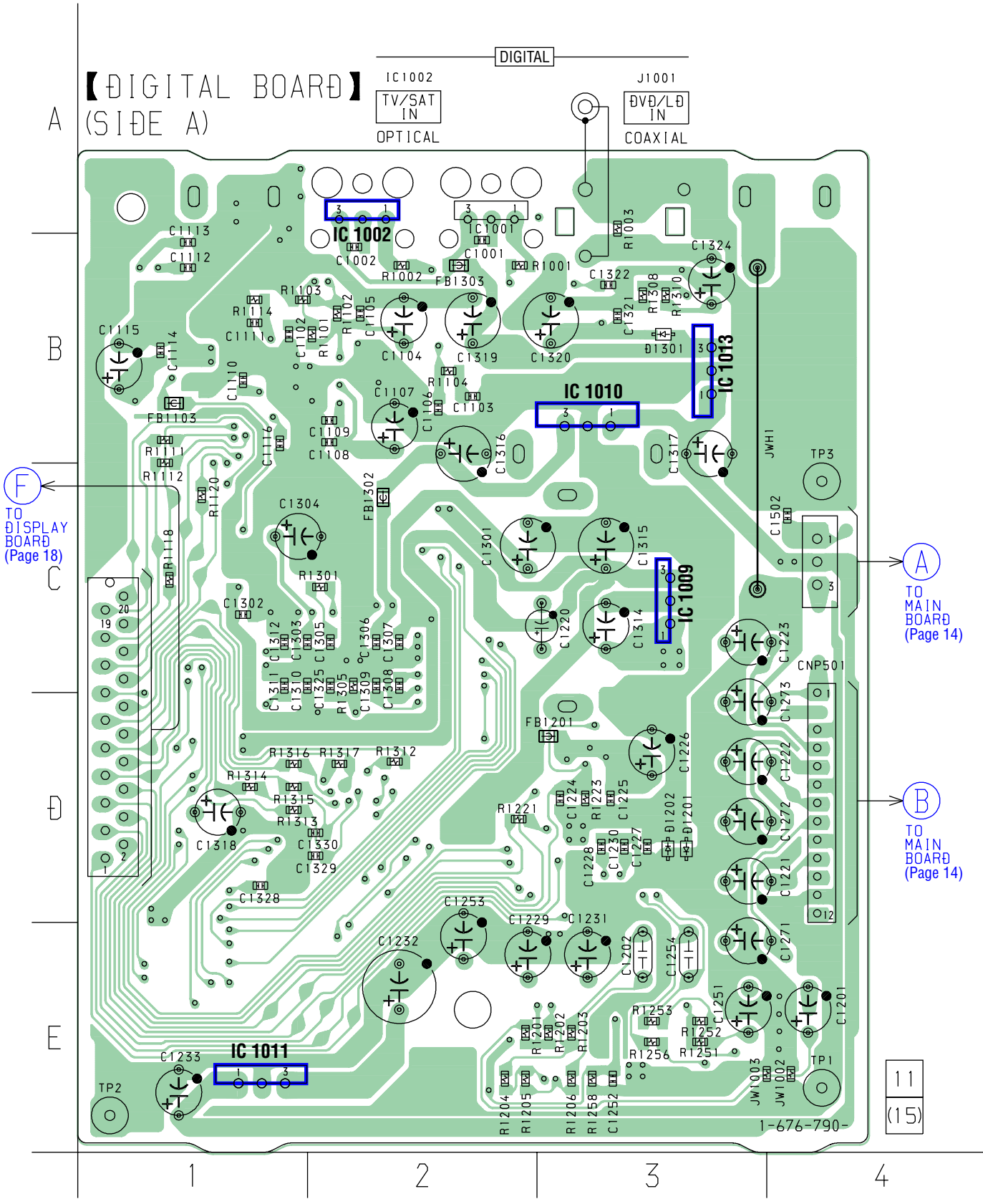


ara formas de onda.



3-9.PLACA DE CIRCUITO IMPRESSO – SEÇÃO DIGITAL –

• See page 8 for Circuit Boards Location.

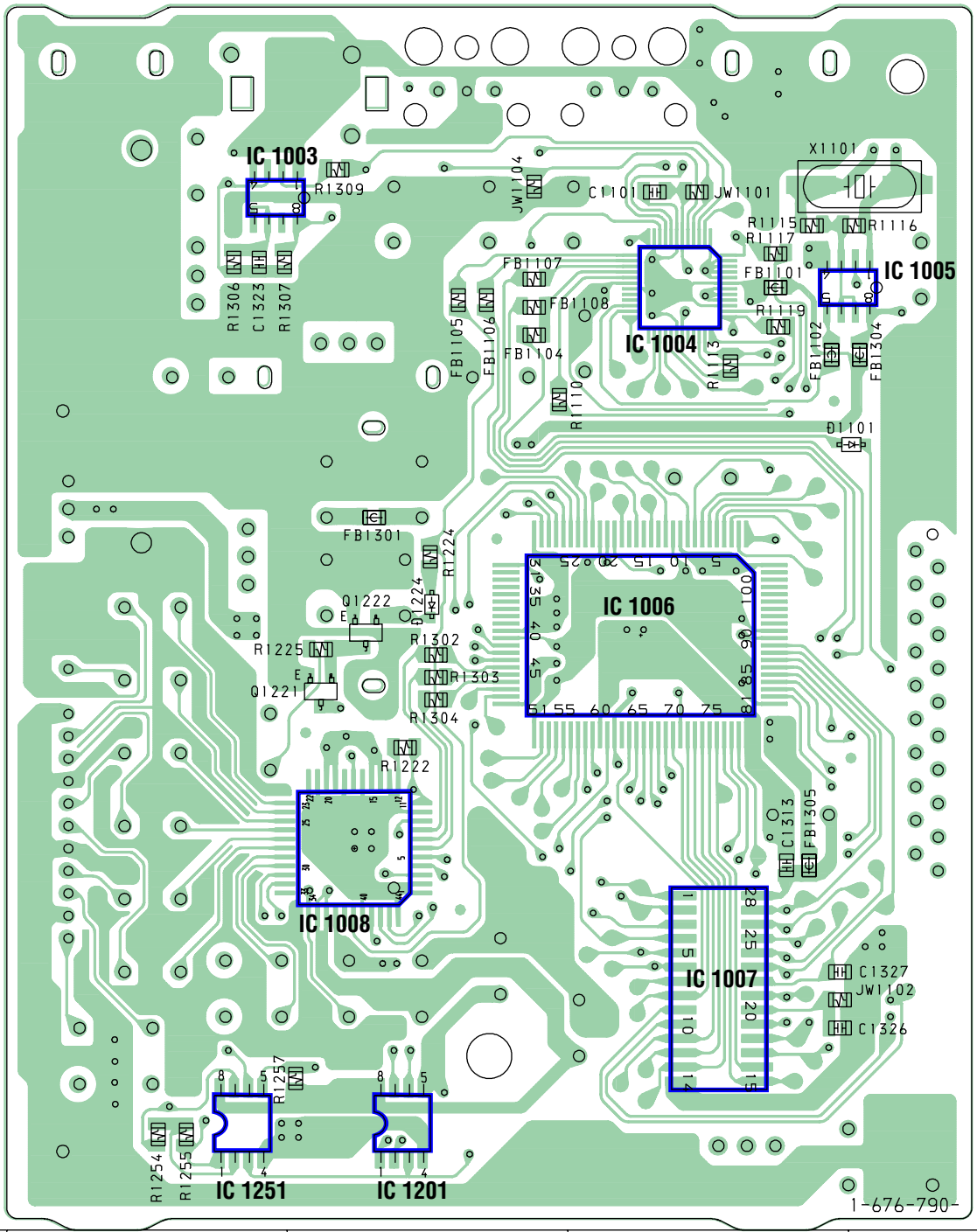


• **Localização dos Semicondutores**

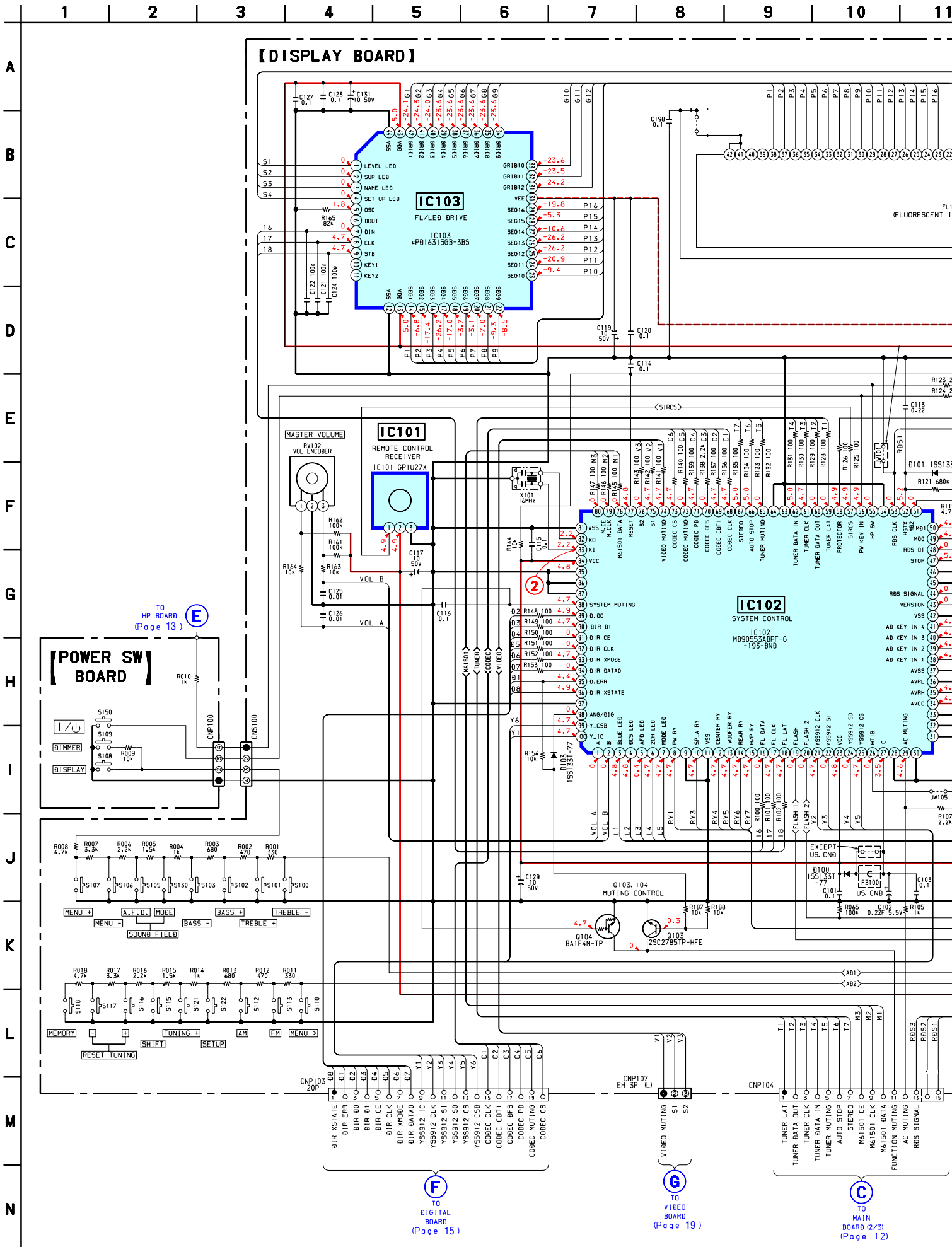
Ref. No.	Location	Ref. No.	Location
D1101	C-7	IC1006	C-7
D1201	D-3	IC1007	E-7
D1202	D-3	IC1008	D-6
D1301	B-3	IC1009	C-3
		IC1010	B-3
IC1002	A-2	IC1011	E-1
IC1003	B-5	IC1013	B-3
IC1004	B-7	IC1201	E-6
IC1005	B-8	IC1251	E-5

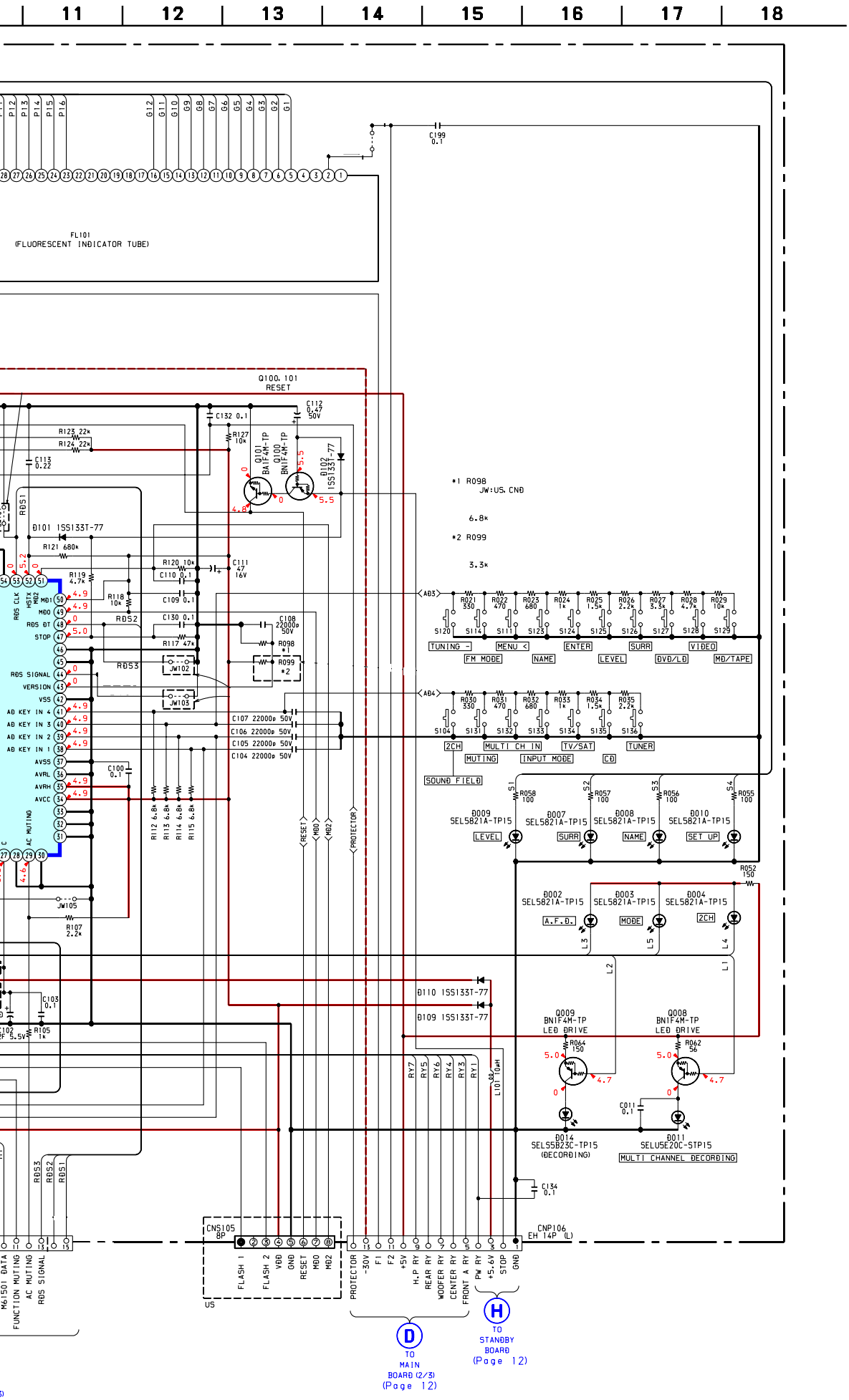
Há peças impressas nesse diagrama que não são montadas nesse modelo.

【DIGITAL BOARD】(SIDE B)

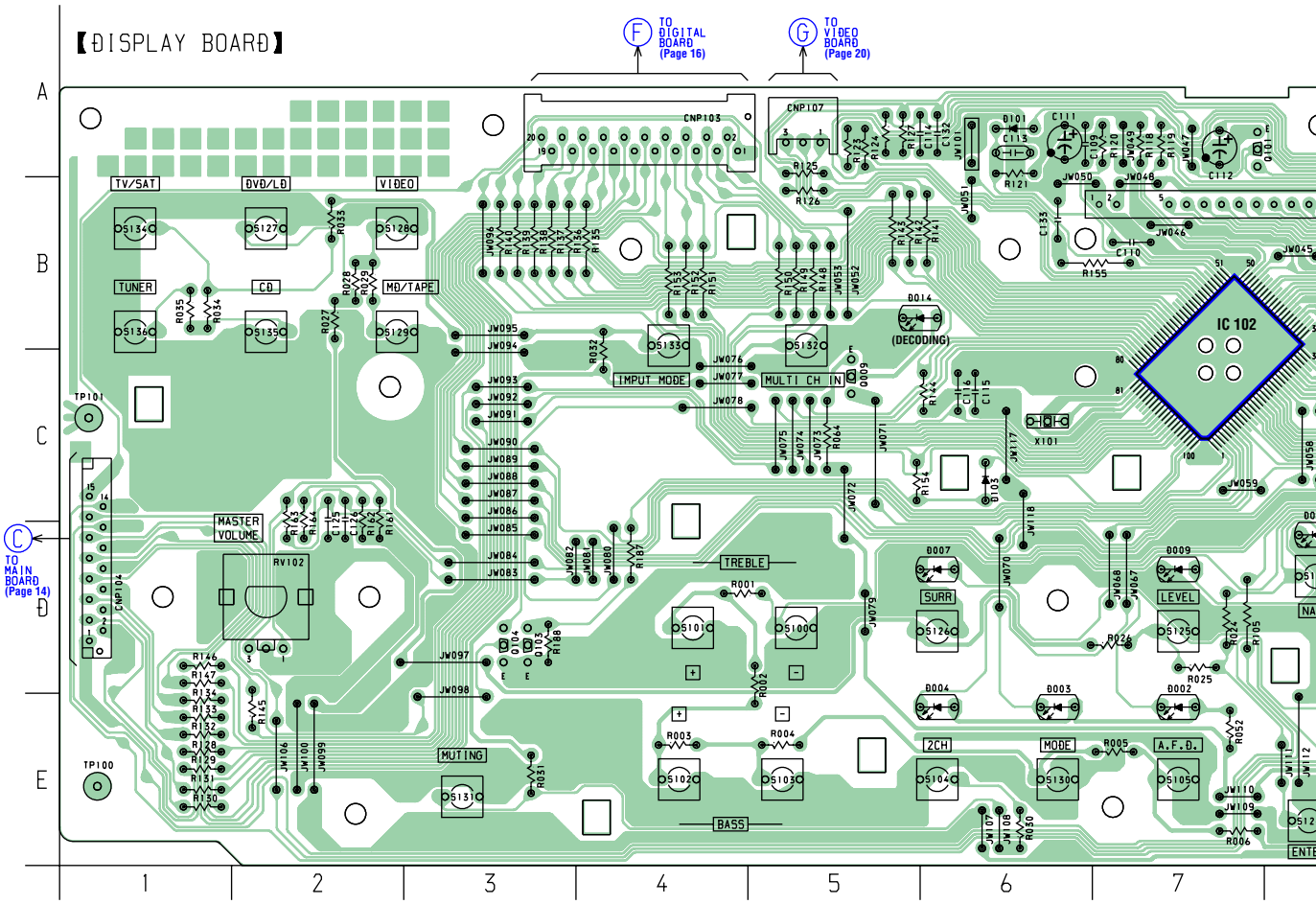


3-10. DIAGRAMA ESQUEMÁTICO - SEÇÃO DISPLAY –




11
12
13
14
15
16
17
18
FL101
(FLUORESCENT INDICATOR TUBE)
C199 0.1
Q100, 101
RESET
C112 0.47 50V
C132 0.1
R123 22k
R124 22k
C113 0.22
R127 10k
Q101 BA1F4M-TP
Q100 BN1F4M-TP
D102 1SS133T-77
*1 R098
JW:US, CND
6.8k
*2 R099
3.3k
D101 1SS133T-77
R121 680k
R120 10k
C110 0.1
C111 47 16V
R119 4.7k
R118 10k
C109 0.1
C130 0.1
C108 22000p 50V
R117 47k
R098 *1
R099 *2
JW102
JW103
C107 22000p 50V
C106 22000p 50V
C105 22000p 50V
C104 22000p 50V
C100 0.1
R112 6.8k
R113 6.8k
R114 6.8k
R115 6.8k
JW105
R107 2.2k
C103 0.1
R105 1k
RDS CLK
HSTX
MD2
MD1
MD0
RDS DT
STOP
RDS SIGNAL
VERSION
VSS
AD KEY IN 4
AD KEY IN 3
AD KEY IN 2
AD KEY IN 1
AVSS
AVRL
AVRH
AVCC
AC MUTING
RDS1
RDS2
RDS3
AD3
R021 330
R022 470
R023 680
R024 1k
R025 1.5k
R026 2.2k
R027 3.3k
R028 4.7k
R029 10k
S120
S114
S111
S123
S124
S125
S126
S127
S128
S129
TUNING →
MENU ←
ENTER
SURR
VIDEO
FM MODE
NAME
LEVEL
DVD/LD
MD/TAPE
AD4
R030 330
R031 470
R032 680
R033 1k
R034 1.5k
R035 2.2k
S104
S131
S132
S133
S134
S135
S136
2CH
MULTI CH IN
TV/SAT
TUNER
MUTING
INPUT MODE
CD
SOUND FIELD
S1
S2
S3
S4
R058 100
R057 100
R056 100
R055 100
D009 SEL5821A-TP15
D007 SEL5821A-TP15
D008 SEL5821A-TP15
D010 SEL5821A-TP15
LEVEL
SURR
NAME
SET UP
R052 150
D002 SEL5821A-TP15
D003 SEL5821A-TP15
D004 SEL5821A-TP15
A.F.D.
MODE
2CH
L3
L5
L4
L2
L1
D110 1SS133T-77
D109 1SS133T-77
Q009 BN1F4M-TP LED DRIVE
Q008 BN1F4M-TP LED DRIVE
R064 150
R062 56
C011 0.1
D014 SEL5SB23C-TP15 (DECORDING)
D011 SEL5E20C-STP15 MULTI CHANNEL DECORDING
C134 0.1
RY7
RY5
RY6
RY4
RY3
RY1
L101 10uH
CNS105 8P
FLASH 1
FLASH 2
VBD
GND
RESET
MD0
MD2
US
CNP106 EH 14P (L)
PROTECTOR
-30V
FI
F2
+5V
H.P RY
REAR RY
WOOFER RY
CENTER RY
FRONT A RY
PW RY
+5.6V
STOP
GND
M61501 DATA
FUNCTION MUTING
AC MUTING
RDS SIGNAL
D
TO MAIN BOARD (2/3) (Page 12)
H
TO STANDBY BOARD (Page 12)

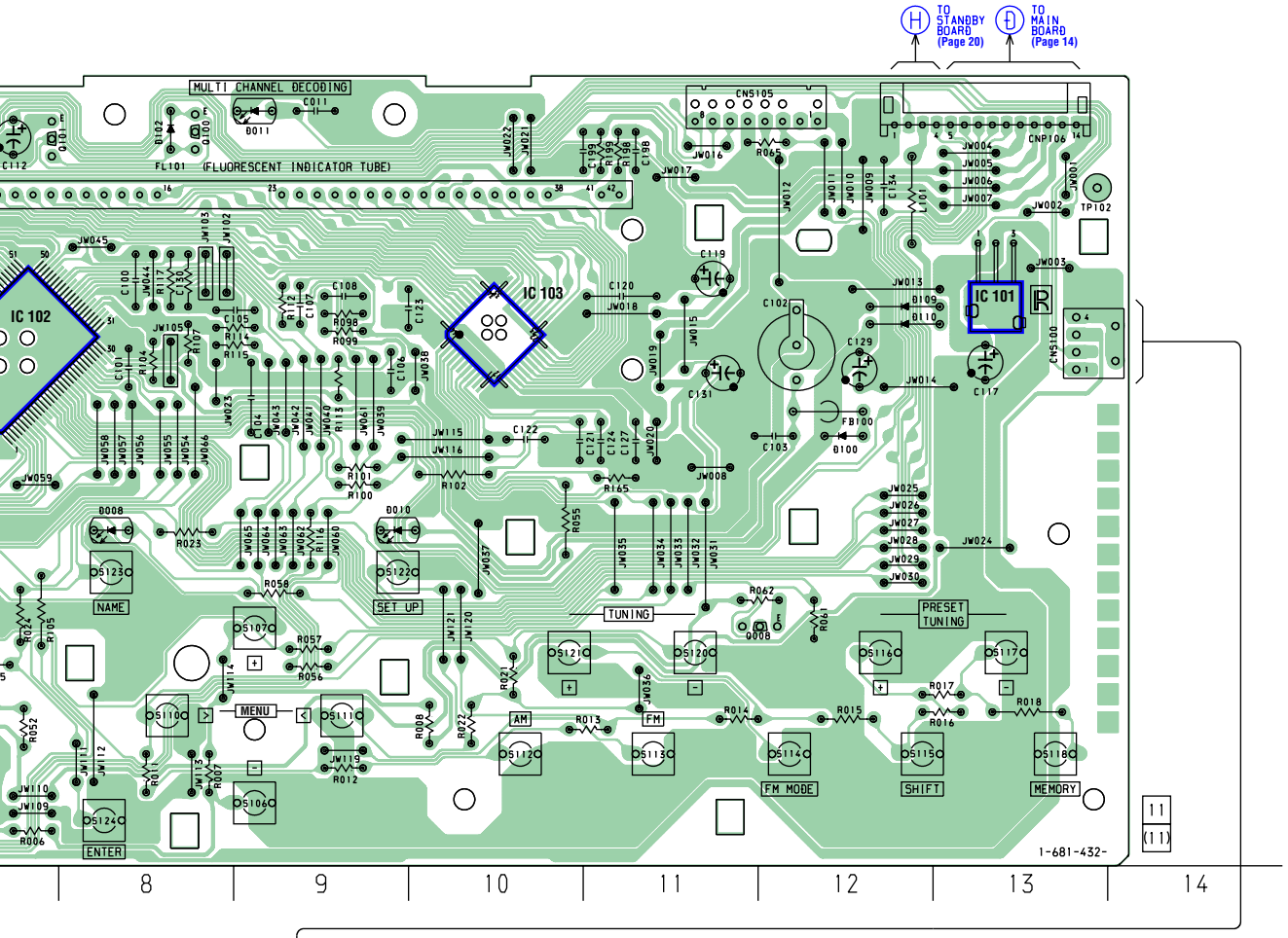
3-11. PLACA DE CIRCUITO IMPRESSO – SEÇÃO DISPLAY



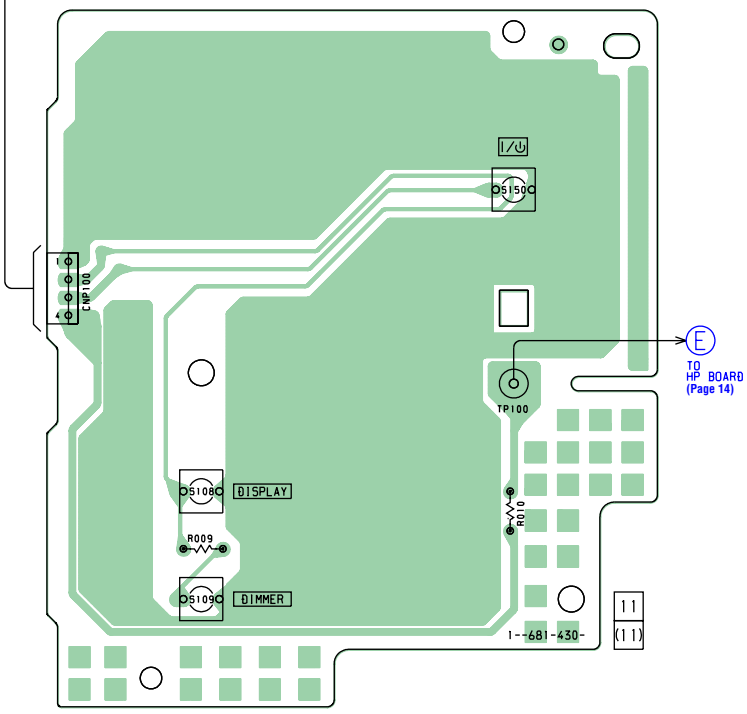
• **Semiconductor Location**

Ref. No.	Location
D002	E-7
D003	E-6
D004	E-6
D007	D-6
D008	C-8
D009	D-7
D010	D-9
D011	A-9
D014	B-5
D100	C-12
D101	A-6
D102	A-8
D103	C-6
D109	B-12
D110	B-12
IC101	B-13
IC102	B-7
IC103	B-10
Q008	D-12
Q009	C-5
Q100	A-8
Q101	A-7
Q103	D-3
Q104	D-3

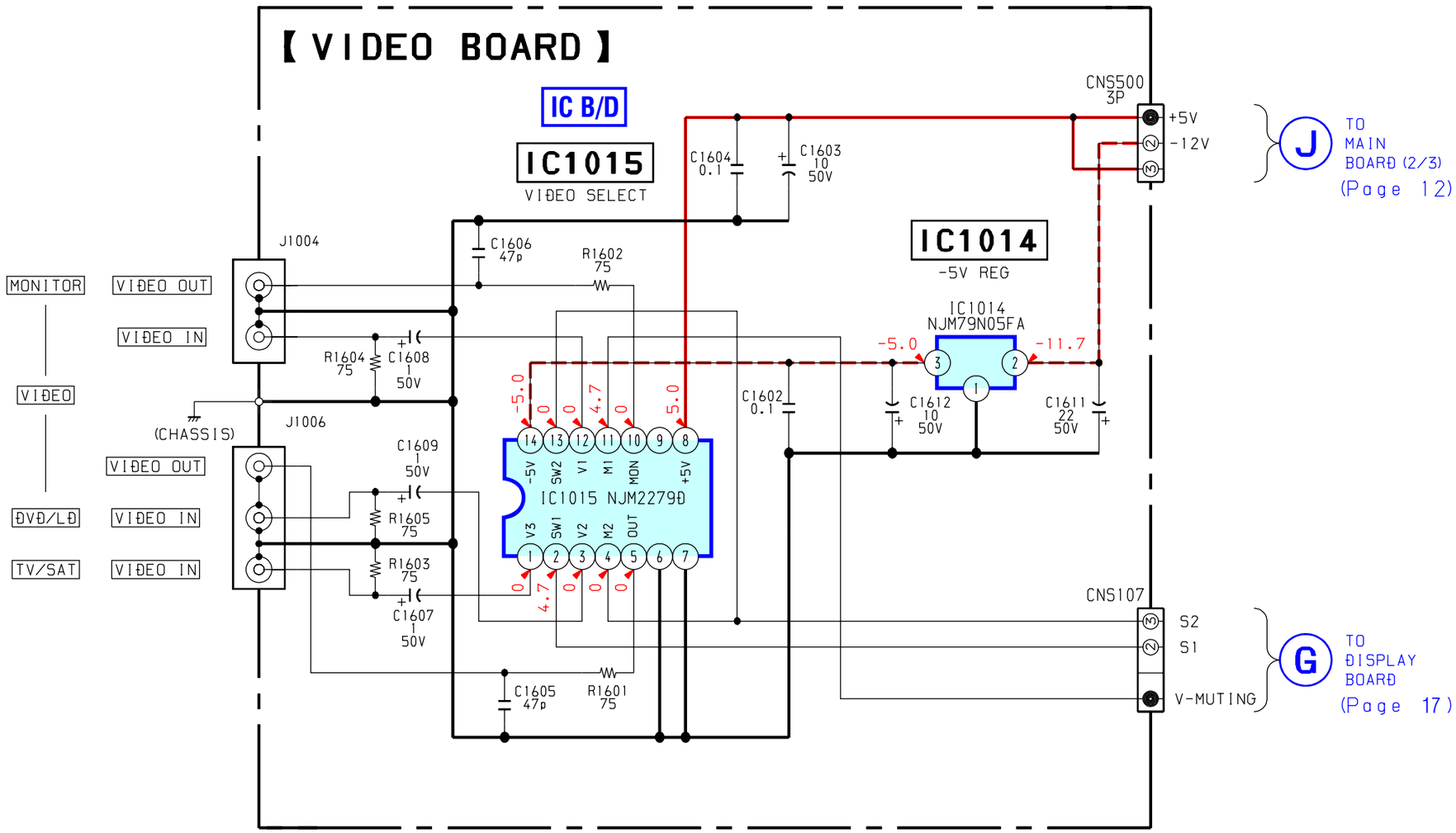
There are a few cases that the part printed on this diagram isn't mounted in this model.



【POWER SW BOARD】

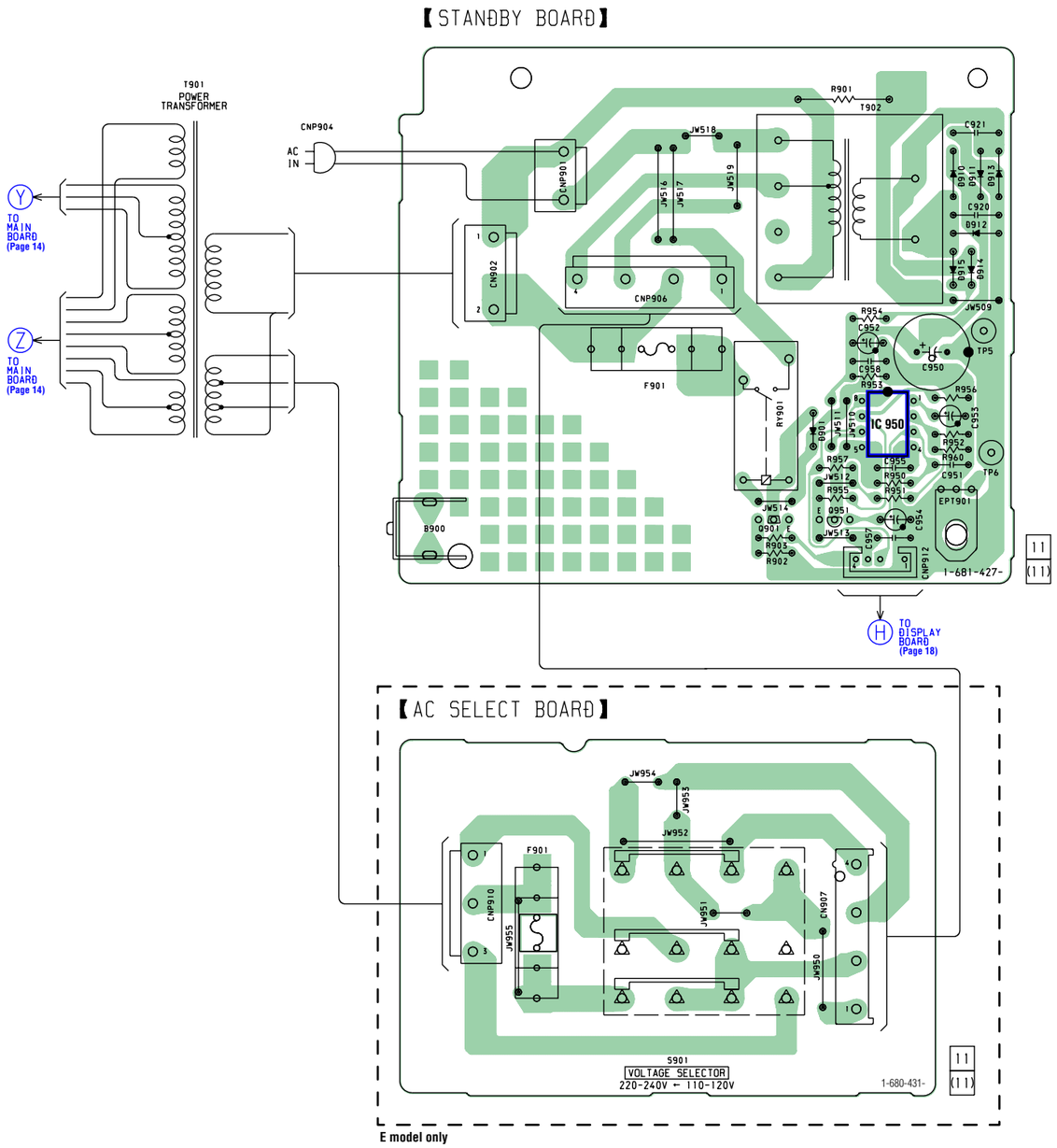


3-12. DIAGRAMA ESQUEMÁTICO – SEÇÃO VIDEO – • Veja pág. 13 para placa de circuito impresso.

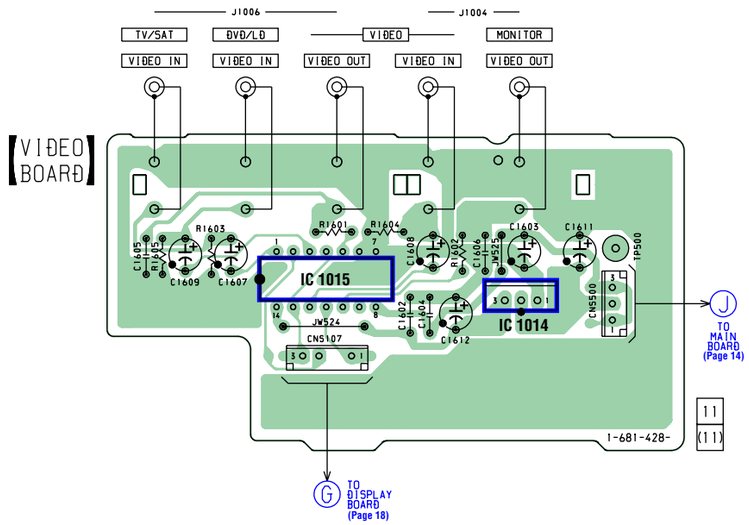


3-13. PLACA DE CIRCUITO IMPRESSO – SEÇÃO POWER

• Veja pag. 8 para localização das placas de circuito .

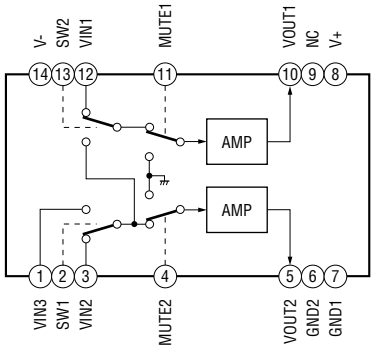


3-14. PLACA DE CIRCUITO IMPRESSO – SEÇÃO VÍDEO –

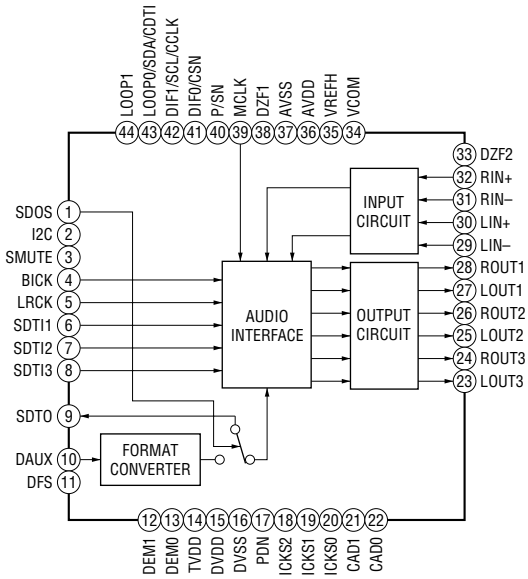


3-15. DIAGRAMA EM BLOCO DOS IC'S

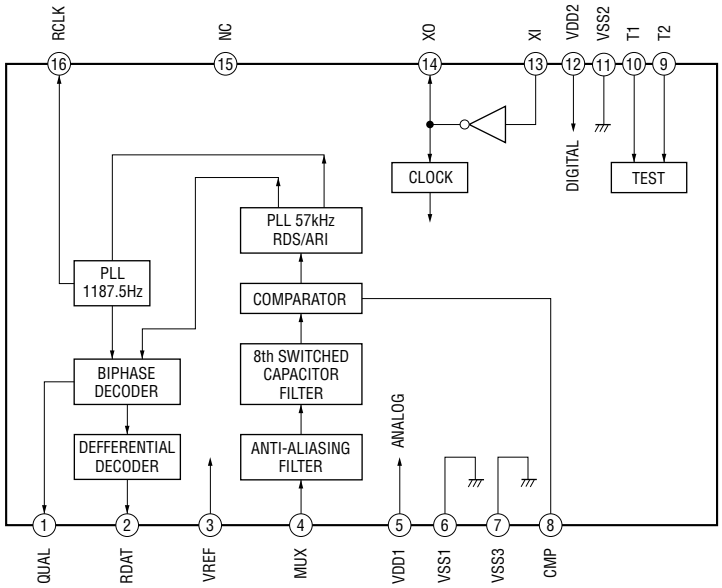
IC1015 NJM2279D (PLACA VIDEO)



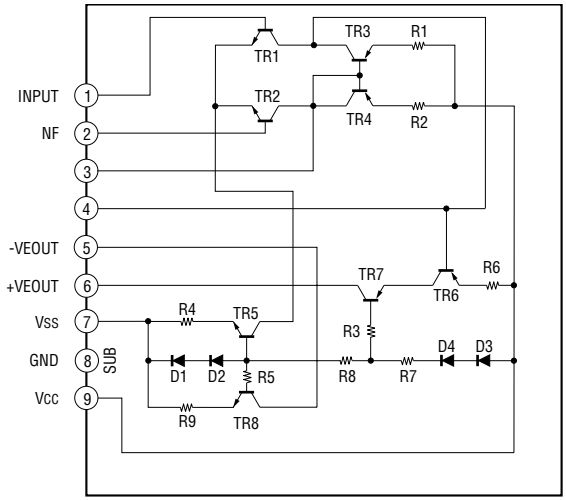
IC1008 AK4527 (PLACA DIGITAL)



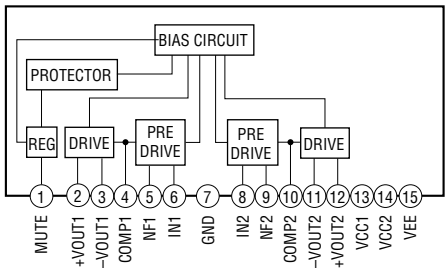
IC301 BU1924F-E2 (PLACA PRINCIPAL)



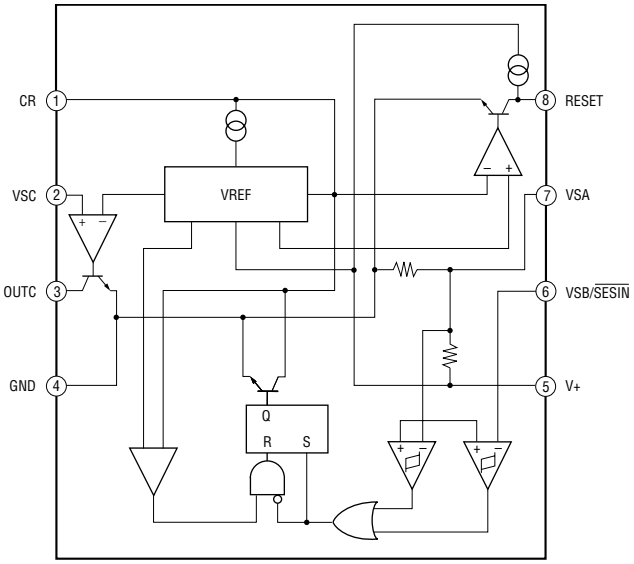
IC501 STK350-230 (PLACA PRINCIPAL)



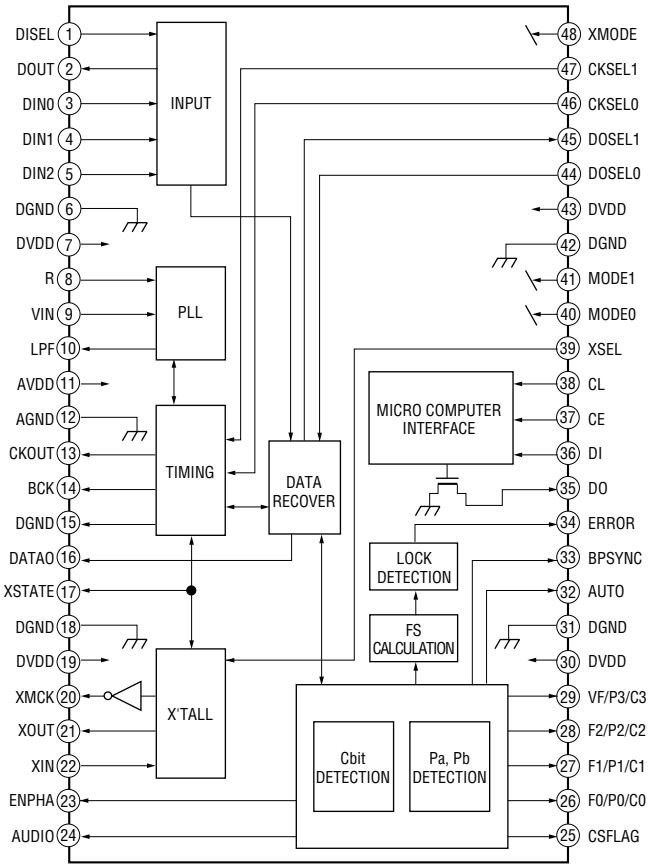
IC701 uPC2581V (PLACA PRINCIPAL)
IC702 uPC2581V (PLACA PRINCIPAL)



IC950 NJM2103D (PLACA STANDBY)



IC1004 LC89055W-RA8 (PLACA DIGITAL)



3-16. DESCRIÇÃO DOS PINOS DOS IC'S

• IC102 MB90553ABPF-G-193-BND (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	A	I	Read volume encoder A changing
2	B	I	Read volume encoder B changing
3	BLUE LED	O	Control Blue LED
4	DCS LED	O	Control DCS LED
5	AFD LED	O	Control AFD LED
6	2CH LED	O	Control 2CH LED
7	MOD LED	O	Control MODE LED
8	PW RY	O	Control power relay
9	P30	—	
10	SP_A RY	O	Control front speaker relay
11	VSS	—	Ground
12	CENTER RY	O	Control center speaker relay
13	WOOFER RY	O	Control woofer relay
14	REAR RY	O	Control rear speaker relay
15	H/P RY	O	Control headphone relay
16	FL DATA	O	Output data signal to FL tube driver
17	FL CLK	O	Output clock signal to FL tube driver
18	FL LAT	O	Output latch signal to FL tube driver
19	FLASH 1	I	Input FLASH 1 signal
20	FLASH 2	I	Input FLASH 2 signal
21	YSS912 CLK	O	Output clock signal to DSP
22	YSS912 SI	O	Output data signal to DSP
23	VCC	—	Power supply
24	YSS912 SO	I	Input data signal from DSP
25	YSS912 CS	O	Output chip select signal to DSP
26	HTIB	I	Input HTIB signal
27	C	—	Power stabilizing capacitor
28	P50	—	
29	AC MUTING	O	Control power to power amp
30	P52	—	
31	P53	—	
32	P54	—	
33	P55	—	
34	AVCC	—	Analog power supply
35	AVRH	—	
36	AVRL	—	
37	AVSS	—	Analog ground
38	AD KEY IN 1	I	Read key push signal
39	AD KEY IN 2	I	Read key push signal
40	AD KEY IN 3	I	Read key push signal
41	AD KEY IN 4	I	Read key push signal
42	VSS	—	Ground
43	VERSION	I	Read version setting
44	RDS SIGNAL	I	Detect RDS signal level
45	P66	—	
46	P67	—	
47	STOP	I	Input signal when AC off
48	RDS DT	I	Read RDS data
49	MD0	—	Selection of micom operation mode
50	MD1	—	Selection of micom operation mode

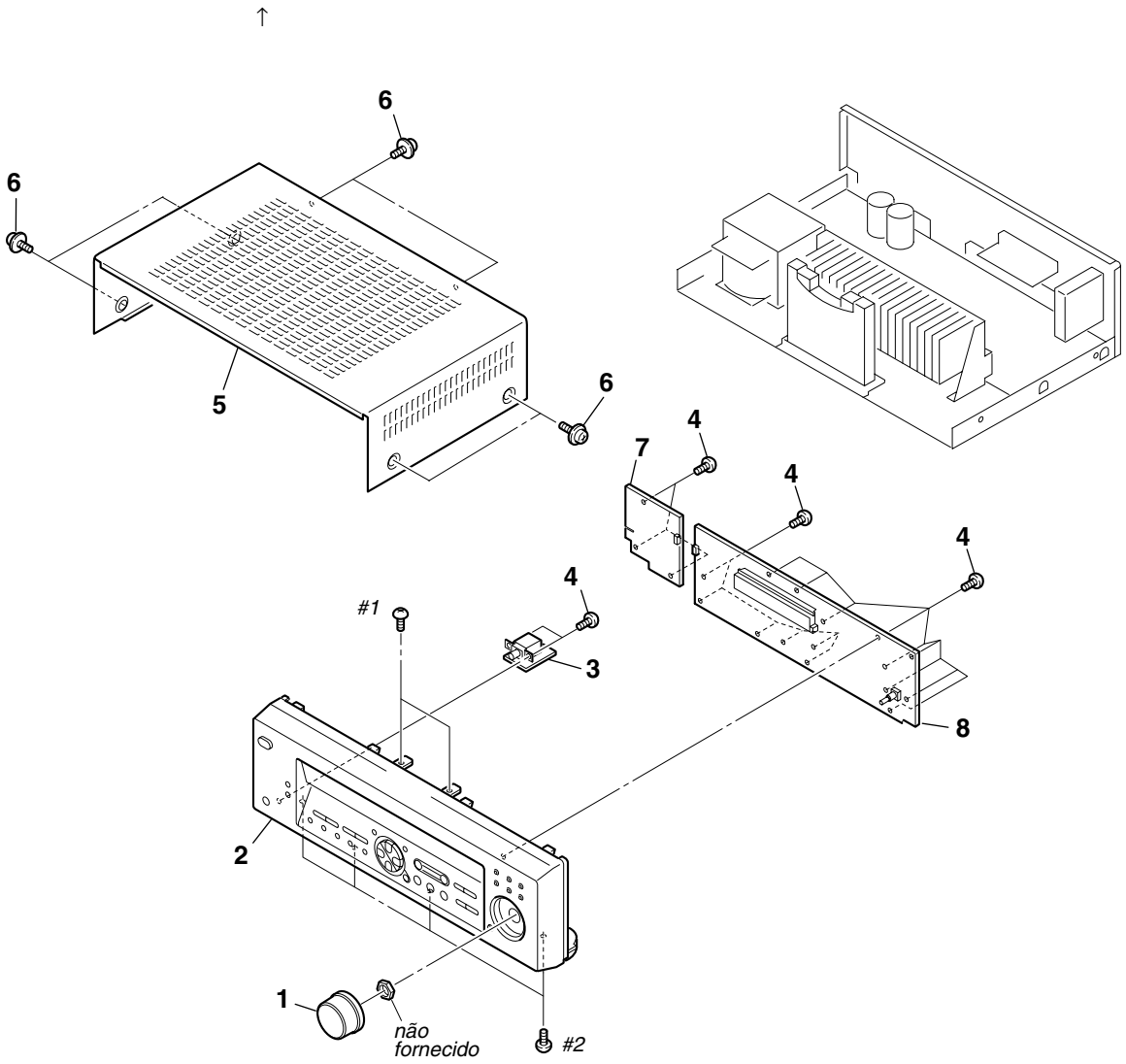
Pin No.	Pin Name	I/O	Description
51	MD2	—	Selection of micom operation mode
52	HSTX	—	Hardware standby signal
53	RDS CLK	I	Read RDS clock
54	P73	—	
55	HP SW	I	Detect headphone switch
56	PW KEY IN	I	Detect power switch key
57	SIRCS	I	Input data from remote control receiver
58	PROTECTOR	I	Detect protector status
59	TUNER LAT	O	Output latch signal to tuner
60	TUNER DATA OUT	O	Output data signal to tuner
61	TUNER CLK	O	Output clock signal to tuner
62	TUNER DATA IN	I	Input tuner freq. data
63	P84	—	
64	P85	—	
65	TUNER MUTING	O	Mute tuner during scanning
66	AUTO STOP	I	Tuner has tuned to a freq.
67	STEREO	I	Tuned freq. has stereo
68	CODEC CLK	O	Output clock signal to CODEC
69	CODEC CDT1	O	Output Control Data signal to CODEC
70	CODEC DFS	O	Output DFS mode signal to CODEC
71	CODEC PD	O	Output Power Down signal to CODEC
72	CODEC MUTING	O	Output Soft Muting signal to CODEC
73	CODEC CS	O	Output CS signal to CODEC
74	VIDEO MUTING	O	Control Video muting
75	S1	O	Control Video IC switching
76	S2	O	Control Video IC switching
77	RESET	I	Detect reset signal
78	M61501 DATA	O	Output data signal to sound processor
79	M.CLK	O	Output clock signal to sound processor
80	M.CE	O	Output chip enable signal to sound processor
81	VSS	—	Ground
82	X0	—	For micom clock
83	X1	—	
84	VCC	—	Power supply
85	P00	—	
86	P01	—	
87	P02	—	
88	SYSTEM MUTING	O	Control muting circuit
89	D.DO	I	Input data signal from DIR
90	DIR DI	O	Output data signal to DIR
91	DIR CE	O	Output CE signal to DIR
92	DIR CLK	O	Output clock signal to DIR
93	DIR XMODE	O	Output reset signal to DIR
94	DIR DATAO	I	Input audio data signal from DIR
95	D.ERR	I	Input PLL error muting from DIR
96	DIR XSTATE	I	Input XSTATE data from DIR
97	P14	—	
98	ANG/DIG	O	Control muting circuit
99	Y_CSB	O	Output CSB signal to DSP
100	Y_IC	O	Output IC signal to DSP

SEÇÃO 4
VISTAS EXPLODIDAS

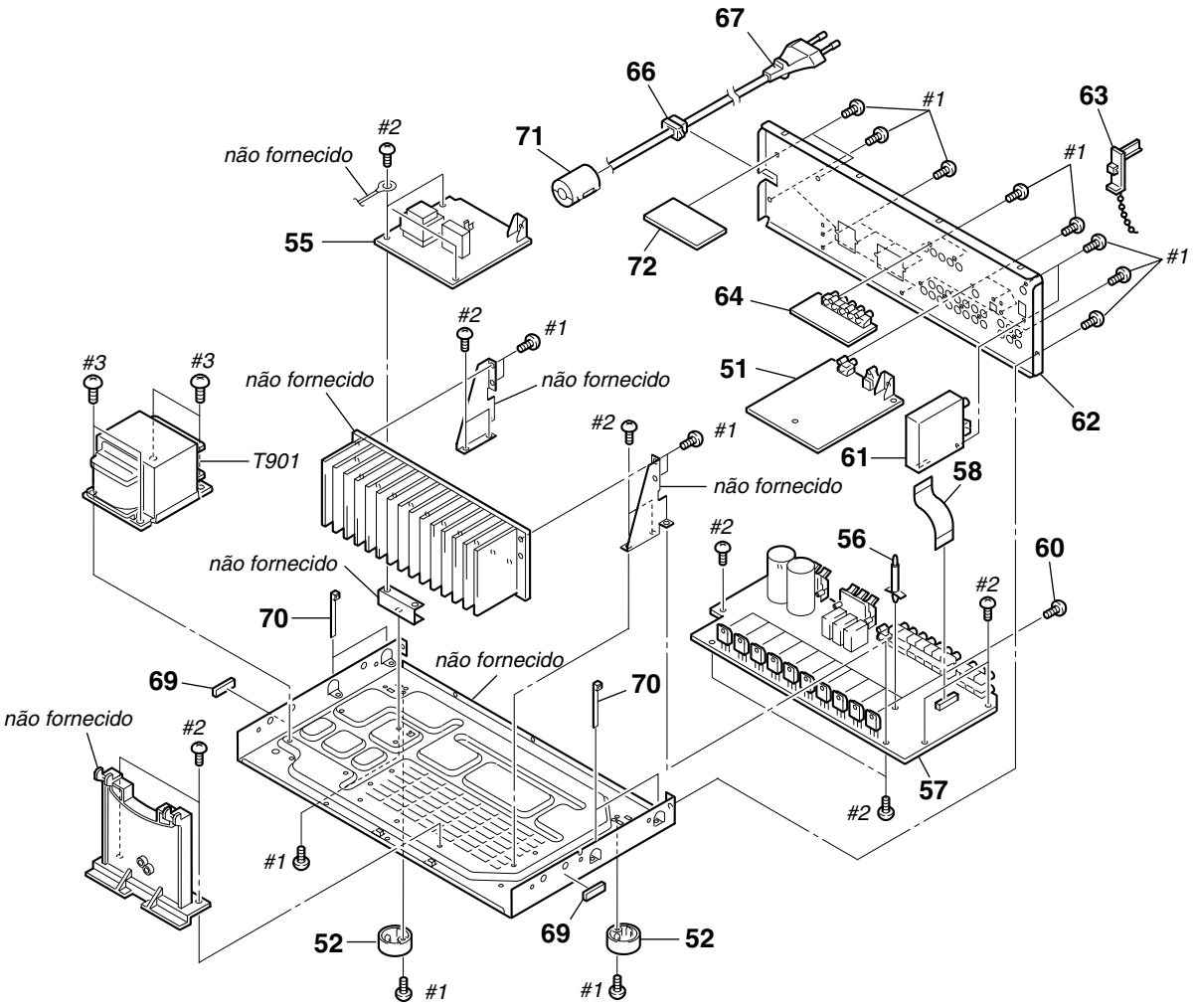
NOTA:

- -XX, -X indicam peça padrão, podendo apresentar algumas diferenças das peças originais.
- Itens com a marca "*" não são mantidos em estoque por serem raramente solicitados. Atrasos podem ser evitados antecipando os pedidos para esses items.
- As partes mecânicas sem número de referência nas vistas explodidas não são fornecidos.
- Acessórios e materiais embalados podem ser encontrados no final da lista de peças.

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças desse manual.



Ref. No.	Part No.	Description	Remarks
1	4-232-113-11	KNOB (VOL) (FOR SILVER)	
2	X-4953-764-1	FRONT PANEL ASSY (SILVER)	
2-1	4-231-603-31	EMBLEMA SONY	
2-2	4-232-100-11	BOTÃO (DISPLAY)	
2-3	4-232-101-11	BOTÃO (TUNING DE-4)	
2-4	4-232-102-11	BOTÃO (MENU)	
2-5	4-232-103-01	TAMPA (MENU)	
2-6	4-232-104-41	BOTÃO (SF-DE-4)	
2-7	4-232-105-01	BOTÃO (FN-DE-4)	
2-8	4-232-106-11	BOTÃO (MUTING)	
2-9	4-232-107-01	VISOR (DE-4)	
2-10	4-232-108-61	ESCUDO	
2-11	4-232-109-61	PAINEL FRONTAL	
2-12	4-232-110-01	INDICADOR (SF)	
2-13	4-232-118-21	INDICADOR DIGITAL	
2-14	4-232-112-01	INDICADOR (SUR)	
2-15	4-232-160-21	BOTÃO (POWER)	
2-16	4-232-236-11	ANEL ORNAMENTAL	
3	1-681-429-11	HP BOARD	
4	4-951-620-01	SCREW (2.6X8), +BVTP	
5	4-232-118-31	CASE	
6	4-210-291-21	SCREW (CASE 3 TP2) (FOR SILVER)	
7	1-681-430-11	POWER SW BOARD	
8	Y-8373-576-A	DISPLAY BOARD, COMPLETE	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	



Ref. No.	Part No.	Description	Remarks
51	A-2007-946-A	DIGITAL BOARD, COMPLETE	
52	4-232-237-01	FOOT (DIA. 30)	
55	A-4725-729-A	STANDBY BOARD, COMPLETE (E)	
55	A-4725-729-A	STANDBY BOARD, COMPLETE (E)	
* 56	4-924-098-91	HOLDER, PC BOARD	
57	Y-8373-573-A	PCI PRINCIPAL MONTADA	
58	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
60	3-905-609-01	SCREW (TRANSISTOR)	
61	1-693-407-21	TUNER	
61	1-693-408-41	TUNER	
62	4-235-014-21	TAMPA TRASEIRA	
62	4-233-753-51	BACK PANEL (DE475) (E)	
62	4-233-753-61	BACK PANEL (DE475) (AEP)	
62	4-233-753-71	BACK PANEL (DE475) (UK)	
62	4-233-753-81	BACK PANEL (DE475) (MX)	

Ref. No.	Part No.	Description	Remarks
64	1-681-428-11	VIDEO BOARD	
66	3-703-244-00	BUSHING (FBS001), CORD	
⚠67	1-757-813-21	CORD, POWER	
69	4-921-941-01	CUSHION	
70	3-701-748-00	CLAMP	
71	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
72	1-681-431-11	AC SELECT BOARD (E)	
⚠T901	1-435-312-11	TRANSFORMER, POWER (CND)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
#3	7-685-880-09	SCREW +BVTT 4X6 (S)	

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas nesse manual.

SEÇÃO 5
LISTA DE PEÇAS ELÉTRICAS

AC SELECT **DIGITAL**

NOTA:

- Devido a padronização, algumas peças dessa lista podem apresentar diferenças das peças indicadas nos esquemas elétricos ou mesmo daquelas utilizadas no aparelho.
- -XX, -X indicam peça padrão, podendo apresentar alguma diferença da peça originalmente utilizada no aparelho.
- Itens com a marca "*" não são mantidos em estoque por serem raramente solicitados. Atrasos podem ser evitados antecipando-se os pedidos para estes itens.
- CAPACITORES:
  uF: µF
- RESISTORES
  Todos os resistores estão em ohms.
  METAL: resistor de metal-film
  METAL OXIDE: resistor de Metal Oxide-film
  F: anti-chama
- INDUTORES
  uH: µH

Quando solicitar peças pelo código numérico por favor indique também o nome da placa.

- SEMICONDUTORES
  Em cada caso, u: µ, por exemplo:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças desse manual.

Ref. No.	Part No.	Description			Remarks
	1-680-431-11	AC SELECT BOARD (E)			
		**********			
		< SWITCH >			
⚠S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)			
**********					
	Y-8373-577-A	DIGITAL BOARD, COMPLETE			
		**********			
	7-685-645-79	SCREW +BVTP	3X6	TYPE2 N-S	
		< CAPACITOR >			
C1002	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1101	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1102	1-163-021-11	CERAMIC CHIP	0.01uF	10.00%	50V
C1103	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1104	1-104-664-11	ELECT	47uF	20.00%	16V
C1105	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1106	1-163-021-11	CERAMIC CHIP	0.01uF	10.00%	50V
C1107	1-104-664-11	ELECT	47uF	20.00%	16V
C1108	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1109	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1110	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1111	1-163-021-11	CERAMIC CHIP	0.01uF	10.00%	50V
C1112	1-163-233-11	CERAMIC CHIP	18PF	5.00%	50V
C1113	1-163-233-11	CERAMIC CHIP	18PF	5.00%	50V
C1114	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1115	1-104-664-11	ELECT	47uF	20.00%	16V
C1116	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C1201	1-126-965-11	ELECT	22uF	20.00%	50V
C1202	1-106-347-00	MYLAR	1500PF	5%	200V
C1221	1-126-965-11	ELECT	22uF	20.00%	50V
C1222	1-126-965-11	ELECT	22uF	20.00%	50V
C1223	1-126-965-11	ELECT	22uF	20.00%	50V
C1224	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1225	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1226	1-126-964-11	ELECT	10uF	20.00%	50V
C1228	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1229	1-104-664-11	ELECT	47uF	20.00%	16V
C1230	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C1230	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1231	1-126-964-11	ELECT	10uF	20.00%	50V
C1232	1-126-935-11	ELECT	470uF	20.00%	6.3V
C1233	1-131-813-91	ELECT	1uF	20.00%	100V
C1251	1-126-965-11	ELECT	22uF	20.00%	50V
C1252	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1253	1-126-964-11	ELECT	10uF	20.00%	50V
C1254	1-106-347-00	MYLAR	1500PF	5%	200V
C1271	1-126-965-11	ELECT	22uF	20.00%	50V
C1272	1-126-965-11	ELECT	22uF	20.00%	50V
C1273	1-126-965-11	ELECT	22uF	20.00%	50V
C1301	1-126-935-11	ELECT	470uF	20.00%	6.3V
C1302	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1303	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1304	1-104-664-11	ELECT	47uF	20.00%	16V
C1305	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C1306	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1307	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1308	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1309	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1310	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1311	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1312	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1313	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1314	1-131-813-91	ELECT	1uF	20.00%	100V
C1315	1-126-935-11	ELECT	470uF	20.00%	6.3V
C1319	1-104-665-11	ELECT	100uF	20.00%	10V
C1316	1-126-935-11	ELECT	470uF	20.00%	6.3V
C1317	1-131-813-91	ELECT	1uF	20.00%	100V
C1318	1-104-665-11	ELECT	100uF	20.00%	10V
C1320	1-126-935-11	ELECT	470uF	20.00%	6.3V
C1321	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1322	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V
C1323	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V
C1324	1-126-965-11	ELECT	22uF	20.00%	50V
C1325	1-163-021-11	CERAMIC CHIP	0.01uF	10.00%	50V
C1329	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C1330	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
		< CONNECTOR >			
CNP501	1-784-927-11	PIN, CONNECTOR 12P			
* CNP502	1-564-506-11	PLUG, CONNECTOR 3P			
CNS103	1-794-006-11	CONNECTOR 20P			

DIGITAL DISPLAY

Ref. No.	Part No.	Description			Remarks
		< DIODE >			
D1101	8-719-016-74	DIODE 1SS355-TE-17			
D1201	8-719-016-74	DIODE 1SS355-TE-17			
D1202	8-719-016-74	DIODE 1SS355-TE-17			
D1301	8-719-016-74	DIODE 1SS355-TE-17			
		< FERRITE BEAD >			
FB1101	1-414-813-11	FERRITE	0UH		
FB1102	1-469-152-11	FERRITE	0UH		
FB1103	1-469-152-11	FERRITE	0UH		
FB1104	1-469-152-11	FERRITE	0UH		
FB1105	1-469-152-11	FERRITE	0UH		
FB1106	1-469-152-11	FERRITE	0UH		
FB1107	1-469-152-11	FERRITE	0UH		
FB1108	1-469-152-11	FERRITE	0UH		
FB1201	1-414-813-11	FERRITE	0UH		
FB1301	1-414-813-11	FERRITE	0UH		
FB1302	1-414-813-11	FERRITE	0UH		
FB1303	1-414-813-11	FERRITE	0UH		
FB1304	1-414-813-11	FERRITE	0UH		
FB1305	1-414-813-11	FERRITE	0UH		
		< IC >			
IC1002	8-749-923-05	TORX178B(OPTICAL(TV/SAT IN))			
IC1003	8-759-387-77	IC TC7WU04F(TE12R)			
IC1004	8-759-639-35	IC LC89055W-RAB			
IC1005	8-759-242-70	IC TC7WU04F(TE12R)			
IC1006	8-759-698-80	IC CXD9511AQ			
IC1007	8-759-441-94	IC IDT71256SA20Y-TL			
IC1008	8-759-657-47	IC AK4527			
IC1009	8-759-039-69	IC uPC7805AHF			
IC1010	8-759-647-10	IC uPC2933HF			
IC1011	8-759-039-69	IC uPC7805AHF			
IC1013	8-759-039-69	IC uPC7805AHF			
IC1201	8-759-274-71	IC NJM4565M(TE2)			
IC1251	8-759-274-71	IC NJM4565M(TE2)			
		< JACK >			
J1001	1-784-431-11	JACK, PIN 1P (COAXIAL(DVD/LD IN))			
		< JUMPER RESISTOR >			
JW1102	1-216-295-11	SHORT	0		
		< RESISTOR >			
R1002	1-216-025-11	RES-CHIP	100	5%	1/10W
R1003	1-216-022-00	METAL CHIP	75	5%	1/10W
R1101	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R1102	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R1103	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R1104	1-216-022-00	METAL CHIP	75	5%	1/10W
R1110	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1111	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1112	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1113	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1114	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1115	1-216-043-00	RES-CHIP	560	5%	1/10W
R1116	1-216-121-11	RES-CHIP	1M	5%	1/10W
R1117	1-216-025-11	RES-CHIP	100	5%	1/10W
R1118	1-216-025-11	RES-CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remarks
R1119	1-216-025-11	RES-CHIP	100	5%	1/10W
R1120	1-216-025-11	RES-CHIP	100	5%	1/10W
R1201	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1202	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R1203	1-216-037-00	METAL CHIP	330	5%	1/10W
R1204	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1205	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1206	1-216-037-00	METAL CHIP	330	5%	1/10W
R1221	1-216-025-11	RES-CHIP	100	5%	1/10W
R1222	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1223	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1251	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1252	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R1253	1-216-037-00	METAL CHIP	330	5%	1/10W
R1254	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1255	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1256	1-216-037-00	METAL CHIP	330	5%	1/10W
R1257	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1258	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1301	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1302	1-216-025-11	RES-CHIP	100	5%	1/10W
R1303	1-216-025-11	RES-CHIP	100	5%	1/10W
R1304	1-216-025-11	RES-CHIP	100	5%	1/10W
R1305	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1306	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1307	1-216-115-00	METAL CHIP	560K	5%	1/10W
R1308	1-216-115-00	METAL CHIP	560K	5%	1/10W
R1309	1-216-025-11	RES-CHIP	100	5%	1/10W
R1310	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1312	1-216-025-11	RES-CHIP	100	5%	1/10W
R1313	1-216-025-11	RES-CHIP	100	5%	1/10W
R1314	1-216-025-11	RES-CHIP	100	5%	1/10W
R1315	1-216-025-11	RES-CHIP	100	5%	1/10W
R1316	1-216-025-11	RES-CHIP	100	5%	1/10W
R1317	1-216-025-11	RES-CHIP	100	5%	1/10W
		< VIBRATOR >			
X1101	1-781-465-21	VIBRATOR, CRYSTAL 12.288MHz			

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****
Y-8373-575-A DISPLAY BOARD, COMPLETE
****

	3-386-245-21	HOLDER (FL)			
*	4-921-941-01	CUSHION (FL)			
		< CAPACITOR >			
C011	1-164-159-11	CERAMIC	0.1uF		50V
C100	1-164-159-11	CERAMIC	0.1uF		50V
C101	1-164-159-11	CERAMIC	0.1uF		50V
C102	1-104-905-11	CAPACITOR	0.22F		5.5V
C103	1-164-159-21	CERAMIC	0.1uF		50V

Ref. No.	Part No.	Description			Remarks
C104	1-127-880-31	CERAMIC	0.022uF	10%	50V
C105	1-127-880-31	CERAMIC	0.022uF	10%	50V
C106	1-127-880-31	CERAMIC	0.022uF	10%	50V
C107	1-127-880-31	CERAMIC	0.022uF	10%	50V
C108	1-127-880-31	CERAMIC	0.022uF	10%	50V
C109	1-164-159-11	CERAMIC	0.1uF		50V
C110	1-164-159-11	CERAMIC	0.1uF		50V
C111	1-124-589-11	ELECT	47uF	20%	16V
C112	1-126-163-11	ELECT	4.7uF	20%	50V
C113	1-136-169-00	FILM	0.22uF	5.00%	50V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-164-159-11	CERAMIC	0.1uF		50V
C116	1-164-159-11	CERAMIC	0.1uF		50V
C117	1-124-261-00	ELECT	10uF	20%	50V
C119	1-124-261-00	ELECT	10uF	20%	50V
C120	1-164-159-11	CERAMIC	0.1uF		50V
C121	1-128-809-11	CERAMIC	100PF	5%	50V
C122	1-128-809-11	CERAMIC	100PF	5%	50V
C123	1-164-159-11	CERAMIC	0.1uF		50V
C124	1-128-809-11	CERAMIC	100PF	5%	50V
C125	1-162-306-11	CERAMIC	0.01uF	30.00%	16V
C126	1-162-306-11	CERAMIC	0.01uF	30.00%	16V
C127	1-164-159-11	CERAMIC	0.01uF		16V
C129	1-124-261-00	ELECT	10uF	20%	50V
C130	1-164-159-21	CERAMIC	0.1uF		50V
C127	1-164-159-11	CERAMIC	0.01uF		16V
C131	1-124-261-00	ELECT	10uF	20%	50V
C132	1-164-159-11	CERAMIC	0.1uF		50V
C134	1-164-159-11	CERAMIC	0.1uF		50V
C198	1-164-159-11	CERAMIC	0.1uF		50V
C199	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
* CNP100	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P			
CNP103	1-794-001-11	CONNECTOR 20P			
CNP104	1-794-002-11	CONNECTOR 13P (US,CND,CH)			
CNP104	1-794-003-11	CONNECTOR 15P (AEP,AEP,UK)			
* CNP106	1-564-731-11	PIN, CONNECTOR (SMALL TYPE)15P			
* CNP107	1-564-519-11	PLUG, CONNECTOR 4P			
* CNS100	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P			
* CNS105	1-695-808-11	CONNECTOR, PC BOARD 8P			
		< DIODE >			
D002	8-719-046-39	DIODE	SEL5821A-TP15		
D003	8-719-046-39	DIODE	SEL5821A-TP15		
D004	8-719-046-39	DIODE	SEL5821A-TP15		
D007	8-719-046-39	DIODE	SEL5821A-TP15		
D008	8-719-046-39	DIODE	SEL5821A-TP15		
D009	8-719-046-39	DIODE	SEL5821A-TP15		
D010	8-719-046-39	DIODE	SEL5821A-TP15		
D011	8-719-072-82	DIODE	SELU5E20C-STP15		
D014	8-719-075-59	DIODE	SELS5B23C-TP15		
D100	8-719-991-33	DIODE	1SS133T-77		
D101	8-719-991-33	DIODE	1SS133T-77		
D102	8-719-991-33	DIODE	1SS133T-77		
D103	8-719-991-33	DIODE	1SS133T-77		
D109	8-719-991-33	DIODE	1SS133T-77		
D110	8-719-991-33	DIODE	1SS133T-77		

Ref. No.	Part No.	Description			Remarks
		< FERRITE BEAD >			
FB100	1-412-473-41	INDUCTOR	0UH (US,CND)		
		< FILTER >			
FL101	1-518-718-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC101	8-749-011-22	IC GP1U27X			
IC102	6-800-275-01	IC MB90553ABPF-G-193-BND			
IC103	8-759-643-83	IC uPD16315GB-3BS			
		< COIL >			
L101	1-408-117-00	INDUCTOR	10uH		
		< TRANSISTOR >			
Q008	8-729-029-41	TRANSISTOR	DTA124ESA-TP		
Q009	8-729-029-41	TRANSISTOR	DTA124ESA-TP		
Q100	8-729-029-41	TRANSISTOR	DTA124ESA-TP		
Q101	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q103	8-729-139-96	TRANSISTOR	2SC2785TP-HFE		
Q104	8-729-029-87	TRANSISTOR	DTC124ESA-TP		
		< RESISTOR >			
R001	1-249-411-11	CARBON	330	5%	1/4W
R002	1-249-413-11	CARBON	470	5%	1/4W F
R003	1-249-415-11	CARBON	680	5%	1/4W F
R004	1-249-417-11	CARBON	1K	5%	1/4W F
R005	1-249-419-11	CARBON	1.5K	5%	1/4W F
R006	1-249-421-11	CARBON	2.2K	5%	1/4W F
R007	1-247-843-11	CARBON	3.3K	5%	1/4W
R008	1-249-425-11	CARBON	4.7K	5%	1/4W F
R011	1-249-411-11	CARBON	330	5%	1/4W
R012	1-249-413-11	CARBON	470	5%	1/4W F
R013	1-249-415-11	CARBON	680	5%	1/4W F
R014	1-249-417-11	CARBON	1K	5%	1/4W F
R015	1-249-419-11	CARBON	1.5K	5%	1/4W F
R016	1-249-421-11	CARBON	2.2K	5%	1/4W F
R017	1-247-843-11	CARBON	3.3K	5%	1/4W
R018	1-249-425-11	CARBON	4.7K	5%	1/4W F
R021	1-249-411-11	CARBON	330	5%	1/4W
R022	1-249-413-11	CARBON	470	5%	1/4W F
R023	1-249-415-11	CARBON	680	5%	1/4W F
R024	1-249-417-11	CARBON	1K	5%	1/4W F
R025	1-249-419-11	CARBON	1.5K	5%	1/4W F
R026	1-249-421-11	CARBON	2.2K	5%	1/4W F
R027	1-247-843-11	CARBON	3.3K	5%	1/4W
R028	1-249-425-11	CARBON	4.7K	5%	1/4W F
R029	1-249-429-11	CARBON	10K	5%	1/4W
R030	1-249-411-11	CARBON	330	5%	1/4W
R031	1-249-413-11	CARBON	470	5%	1/4W F
R032	1-249-415-11	CARBON	680	5%	1/4W F
R033	1-249-417-11	CARBON	1K	5%	1/4W F
R034	1-249-419-11	CARBON	1.5K	5%	1/4W F
R035	1-249-421-11	CARBON	2.2K	5%	1/4W F
R052	1-249-407-11	CARBON	150	5%	1/4W F
R055	1-247-807-31	CARBON	100	5%	1/4W
R056	1-247-807-31	CARBON	100	5%	1/4W
R057	1-247-807-31	CARBON	100	5%	1/4W

DISPLAY

Ref. No.	Part No.	Description			Remarks
R058	1-247-807-31	CARBON	100	5%	1/4W
R061	1-249-407-11	CARBON	150	5%	1/4W F
R064	1-249-407-11	CARBON	150	5%	1/4W F
R098	1-249-427-11	CARBON	6.8K	5%	1/4W F
R099	1-247-843-11	CARBON	3.3K	5%	1/4W
R100	1-247-807-31	CARBON	100	5%	1/4W
R101	1-247-807-31	CARBON	100	5%	1/4W
R102	1-247-807-31	CARBON	100	5%	1/4W
R105	1-249-417-11	CARBON	1K	5%	1/4W F
R107	1-249-421-11	CARBON	2.2K	5%	1/4W F
R106	1-249-421-11	CARBON	2.2K	5%	1/4W F
R112	1-249-427-11	CARBON	6.8K	5%	1/4W F
R113	1-249-427-11	CARBON	6.8K	5%	1/4W F
R114	1-249-427-11	CARBON	6.8K	5%	1/4W F
R115	1-249-427-11	CARBON	6.8K	5%	1/4W F
R116	1-249-417-11	CARBON	1K	5%	1/4W F (AEP,UK)
R117	1-249-437-11	CARBON	47K	5%	1/4W
R118	1-249-429-11	CARBON	10K	5%	1/4W
R119	1-249-425-11	CARBON	4.7K	5%	1/4W F
R120	1-249-429-11	CARBON	10K	5%	1/4W
R121	1-247-899-11	CARBON	680K	5%	1/4W
R122	1-249-433-11	CARBON	22K	5%	1/4W
R124	1-249-433-11	CARBON	22K	5%	1/4W
R125	1-247-807-31	CARBON	100	5%	1/4W
R126	1-247-807-31	CARBON	100	5%	1/4W
R127	1-249-429-11	CARBON	10K	5%	1/4W
R128	1-247-807-31	CARBON	100	5%	1/4W
R129	1-247-807-31	CARBON	100	5%	1/4W
R130	1-247-807-31	CARBON	100	5%	1/4W
R131	1-247-807-31	CARBON	100	5%	1/4W
R132	1-247-807-31	CARBON	100	5%	1/4W
R133	1-247-807-31	CARBON	100	5%	1/4W
R134	1-247-807-31	CARBON	100	5%	1/4W
R135	1-247-807-31	CARBON	100	5%	1/4W
R136	1-247-807-31	CARBON	100	5%	1/4W
R137	1-247-807-31	CARBON	100	5%	1/4W
R138	1-249-421-11	CARBON	2.2K	5%	1/4W F
R139	1-247-807-31	CARBON	100	5%	1/4W
R140	1-247-807-31	CARBON	100	5%	1/4W
R141	1-247-807-31	CARBON	100	5%	1/4W
R142	1-247-807-31	CARBON	100	5%	1/4W
R143	1-247-807-31	CARBON	100	5%	1/4W
R144	1-249-429-11	CARBON	10K	5%	1/4W
R145	1-247-807-31	CARBON	100	5%	1/4W
R146	1-247-807-31	CARBON	100	5%	1/4W
R147	1-247-807-31	CARBON	100	5%	1/4W
R148	1-247-807-31	CARBON	100	5%	1/4W
R149	1-247-807-31	CARBON	100	5%	1/4W
R150	1-247-807-31	CARBON	100	5%	1/4W
R151	1-247-807-31	CARBON	100	5%	1/4W
R152	1-247-807-31	CARBON	100	5%	1/4W
R153	1-247-807-31	CARBON	100	5%	1/4W
R154	1-249-429-11	CARBON	10K	5%	1/4W
R162	1-249-441-11	CARBON	10K	5%	1/4W
R164	1-249-441-11	CARBON	10K	5%	1/4W
R165	1-249-440-11	CARBON	82K	5%	1/4W
R187	1-249-429-11	CARBON	10K	5%	1/4W
R186	1-249-429-11	CARBON	10K	5%	1/4W

< VARIABLE RESISTOR >

RV102	1-418-773-11	ENCODER, ROTARY (MASTER VOLUME)

< SWITCH >

S100	1-762-875-21	SWITCH, TACTILE (TREBLE-)(EXCEPT CND)
S101	1-762-875-21	SWITCH, TACTILE (TREBLE+)
S102	1-762-875-21	SWITCH, TACTILE (BASS+)
S103	1-762-875-21	SWITCH, TACTILE (BASS-)
S104	1-762-875-21	SWITCH, TACTILE (2CH)
S105	1-762-875-21	SWITCH, TACTILE (A.F.D.)
S106	1-762-875-21	SWITCH, TACTILE (MENU-)
S107	1-762-875-21	SWITCH, TACTILE (MENU+)
S110	1-762-875-21	SWITCH, TACTILE (MENU>)
S111	1-762-875-21	SWITCH, TACTILE (MENU<)
S112	1-762-875-21	SWITCH, TACTILE
S113	1-762-875-21	SWITCH, TACTILE
S114	1-762-875-21	SWITCH, TACTILE
S115	1-762-875-21	SWITCH, TACTILE (SHIFT)
S116	1-762-875-21	SWITCH, TACTILE (PRESET TUNING+)
S117	1-762-875-21	SWITCH, TACTILE (PRESET TUNING-)
S118	1-762-875-21	SWITCH, TACTILE (MEMORY)
S120	1-762-875-21	SWITCH, TACTILE
S121	1-762-875-21	SWITCH, TACTILE
S122	1-762-875-21	SWITCH, TACTILE (SETUP)
S123	1-762-875-21	SWITCH, TACTILE (NAME)
S124	1-762-875-21	SWITCH, TACTILE (ENTER)
S125	1-762-875-21	SWITCH, TACTILE (LEVEL)
S126	1-762-875-21	SWITCH, TACTILE (SUR)
S127	1-762-875-21	SWITCH, TACTILE (DVD/LD)

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas nesse manual.

Ref. No.	Part No.	Description			Remarks
S128	1-762-875-21	SWITCH, TACTILE (VIDEO)			
S129	1-762-875-21	SWITCH, TACTILE (MD/TAPE)			
S130	1-762-875-21	SWITCH, TACTILE (MODE)			
S131	1-762-875-21	SWITCH, TACTILE (MUTING)			
S132	1-762-875-21	SWITCH, TACTILE (MULTI CH IN)			
S133	1-762-875-21	SWITCH, TACTILE (INPUT MODE)			
S134	1-762-875-21	SWITCH, TACTILE (TV/SAT)			
S135	1-762-875-21	SWITCH, TACTILE (CD)			
S136	1-762-875-21	SWITCH, TACTILE (TUNER)			
		< VIBRATOR >			
X101	1-781-356-21	VIBRATOR, CERAMIC 16MHz			
**********					
	1-681-429-11	HP BOARD			
		*********			
		< CAPACITOR >			
C790	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNP791	1-564-505-11	PLUG, CONNECTOR 2P			
CNP792	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< DIODE >			
D790	8-719-084-16	DIODE RD5.6F-T8B2			
		< JACK >			
J791	1-815-314-21	JACK (PHONES)(EXCEPT CH)			
J791	1-815-313-21	JACK (PHONES)(CH:BLACK)(CH)			
**********					
		**********			
	Y-8373-573-A	PCI PRINCIPAL MONTADA			
		**********			
	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S			
		< CAPACITOR >			
C303	1-128-817-11	CERAMIC	470PF	5%	50V (AEP,UK)
C304	1-126-795-11	ELECT	10uF	20.00%	50V (AEP,UK)
C305	1-164-159-11	CERAMIC	0.1uF		50V (AEP,UK)
C306	1-128-821-31	CERAMIC	1000PF	5%	50V (AEP,UK)
C307	1-128-805-11	CERAMIC	47PF	5%	50V (AEP,UK)

Ref. No.	Part No.	Description			Remarks
		< CAPACITOR >			
C320	1-164-159-11	CERAMIC	0.1uF		50V
C321	1-164-159-11	CERAMIC	0.1uF		50V
C322	1-164-159-11	CERAMIC	0.1uF		50V
C323	1-128-813-11	CERAMIC	220PF	5%	50V
C324	1-128-813-11	CERAMIC	220PF	5%	50V
C371	1-128-809-11	CERAMIC	100PF	5%	50V
C372	1-128-809-11	CERAMIC	100PF	5%	50V
C373	1-128-809-11	CERAMIC	100PF	5%	50V
C374	1-128-809-11	CERAMIC	100PF	5%	50V
C375	1-128-809-11	CERAMIC	100PF	5%	50V
C376	1-128-809-11	CERAMIC	100PF	5%	50V
C401	1-126-795-11	ELECT	10uF	20.00%	50V
C402	1-126-795-11	ELECT	10uF	20.00%	50V
C404	1-126-795-11	ELECT	10uF	20.00%	50V
C405	1-126-795-11	ELECT	10uF	20.00%	50V
C406	1-126-795-11	ELECT	10uF	20.00%	50V
C408	1-126-795-11	ELECT	10uF	20.00%	50V
C409	1-126-795-11	ELECT	10uF	20.00%	50V
C410	1-126-795-11	ELECT	10uF	20.00%	50V
C411	1-164-159-11	CERAMIC	0.1uF		50V
C412	1-130-481-00	MYLAR	0.0068uF	5%	50V
C413	1-136-495-11	FILM	0.068uF	5.00%	50V
C414	1-130-481-00	MYLAR	0.0068uF	5%	50V
C416	1-136-165-00	FILM	0.1uF	5.00%	50V
C417	1-136-165-00	FILM	0.1uF	5.00%	50V
C418	1-126-795-11	ELECT	10uF	20.00%	50V
C419	1-131-816-11	ELECT	4.7uF	20.00%	50V
C420	1-126-795-11	ELECT	10uF	20.00%	50V
C421	1-126-795-11	ELECT	10uF	20.00%	50V
C425	1-126-795-11	ELECT	10uF	20.00%	50V
C428	1-126-963-11	ELECT	4.7uF	20.00%	50V
C429	1-164-159-11	CERAMIC	0.1uF		50V
C435	1-164-159-11	CERAMIC	0.1uF		50V
C431	1-128-809-11	CERAMIC	100PF	5%	50V
C432	1-128-809-11	CERAMIC	100PF	5%	50V
C433	1-128-809-11	CERAMIC	100PF	5%	50V
C434	1-126-965-11	ELECT	22uF	20.00%	50V
C441	1-164-159-11	CERAMIC	0.1uF		50V
C451	1-126-795-11	ELECT	10uF	20.00%	50V
C442	1-164-159-11	CERAMIC	0.1uF		50V
C452	1-126-795-11	ELECT	10uF	20.00%	50V
C454	1-126-795-11	ELECT	10uF	20.00%	50V
C455	1-126-795-11	ELECT	10uF	20.00%	50V
C456	1-126-795-11	ELECT	10uF	20.00%	50V
C457	1-126-795-11	ELECT	10uF	20.00%	50V
C458	1-126-795-11	ELECT	10uF	20.00%	50V
C459	1-126-795-11	ELECT	10uF	20.00%	50V
C460	1-126-795-11	ELECT	10uF	20.00%	50V
C461	1-126-963-11	ELECT	4.7uF	20.00%	50V

MAIN

Ref. No.	Part No.	Description			Remarks
C462	1-130-481-00	MYLAR	0.0068uF	5%	50V
C463	1-136-495-11	FILM	0.068uF	5.00%	50V
C464	1-130-481-00	MYLAR	0.0068uF	5%	50V
C465	1-126-795-11	ELECT	10uF	20.00%	50V
C466	1-136-165-00	FILM	0.1uF	5.00%	50V
C467	1-136-165-00	FILM	0.1uF	5.00%	50V
C468	1-126-795-11	ELECT	10uF	20.00%	50V
C469	1-126-795-11	ELECT	10uF	20.00%	50V
C470	1-126-795-11	ELECT	10uF	20.00%	50V
C471	1-126-963-11	ELECT	4.7uF	20.00%	50V
C472	1-126-963-11	ELECT	4.7uF	20.00%	50V
C473	1-126-963-11	ELECT	4.7uF	20.00%	50V
C474	1-126-963-11	ELECT	4.7uF	20.00%	50V
C475	1-126-963-11	ELECT	4.7uF	20.00%	50V
C476	1-126-963-11	ELECT	4.7uF	20.00%	50V
C477	1-126-963-11	ELECT	4.7uF	20.00%	50V
C484	1-126-965-11	ELECT	22uF	20.00%	50V
C491	1-128-803-11	CERAMIC	33PF	5%	50V
C492	1-128-803-11	CERAMIC	33PF	5%	50V
C493	1-128-803-11	CERAMIC	33PF	5%	50V
C494	1-128-803-11	CERAMIC	33PF	5%	50V
C495	1-128-803-11	CERAMIC	33PF	5%	50V
C496	1-128-803-11	CERAMIC	33PF	5%	50V
C497	1-128-803-11	CERAMIC	33PF	5%	50V
C498	1-128-803-11	CERAMIC	33PF	5%	50V
C499	1-126-795-11	ELECT	10uF	20.00%	50V
C501	1-126-963-11	ELECT	4.7uF	20.00%	50V
C502	1-128-809-11	CERAMIC	100PF	5%	50V
C503	1-102-989-00	CERAMIC	68PF	5.00%	500V
C504	1-102-989-00	CERAMIC	68PF	5.00%	500V
C505	1-104-665-11	ELECT	100uF	20.00%	10V
C506	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C510	1-104-664-11	ELECT	47uF	20.00%	25V
C511	1-136-157-00	FILM	0.022uF	5.00%	50V
C520	1-128-813-11	CERAMIC	220PF	5%	50V
C524	1-124-255-91	ELECT	1uF	20%	50V
C526	1-127-876-31	CERAMIC	0.01uF	10%	50V
C601	1-126-963-11	ELECT	4.7uF	20.00%	50V
C603	1-104-665-11	ELECT	100uF	20.00%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-102-233-00	CERAMIC	33PF	10.00%	500V
C606	1-128-809-11	CERAMIC	100PF	5%	50V
C607	1-128-809-11	CERAMIC	100PF	5%	50V
C610	1-104-660-91	ELECT	47uF	20.00%	16V
C611	1-136-157-00	FILM	0.022uF	5.00%	50V
C620	1-128-813-11	CERAMIC	220PF	5%	50V
C624	1-124-255-91	ELECT	1uF	20%	50V
C626	1-127-876-31	CERAMIC	0.01uF	10%	50V
C651	1-126-963-11	ELECT	4.7uF	20.00%	50V
C653	1-104-665-11	ELECT	100uF	20.00%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-102-233-00	CERAMIC	33PF	10.00%	500V
C656	1-128-809-11	CERAMIC	100PF	5%	50V
C657	1-128-809-11	CERAMIC	100PF	5%	50V
C660	1-104-660-91	ELECT	47uF	20.00%	16V

Ref. No.	Part No.	Description			Remarks
C661	1-136-157-00	FILM	0.022uF	5.00%	50V
C670	1-128-813-11	CERAMIC	220PF	5%	50V
C701	1-126-963-11	ELECT	4.7uF	20.00%	50V
C703	1-104-665-11	ELECT	100uF	20.00%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10.00%	500V
C706	1-128-809-11	CERAMIC	100PF	5%	50V
C707	1-128-809-11	CERAMIC	100PF	5%	50V
C710	1-104-660-91	ELECT	47uF	20.00%	16V
C711	1-136-157-00	FILM	0.022uF	5.00%	50V
C720	1-128-813-11	CERAMIC	220PF	5%	50V
C721	1-126-923-91	ELECT	220uF	20.00%	10V
C722	1-126-795-11	ELECT	10uF	20.00%	50V
C724	1-124-255-91	ELECT	1uF	20%	50V
C726	1-127-876-31	CERAMIC	0.01uF	10%	50V
C734	1-124-255-91	ELECT	1uF	20%	50V
C736	1-127-876-31	CERAMIC	0.01uF	10%	50V
C740	1-128-582-11	ELECT	10uF	20.00%	100V
C741	1-128-582-11	ELECT	10uF	20.00%	100V
C751	1-126-963-11	ELECT	4.7uF	20.00%	50V
C753	1-104-665-11	ELECT	100uF	20.00%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-102-233-00	CERAMIC	33PF	10.00%	500V
C756	1-128-809-11	CERAMIC	100PF	5%	50V
C757	1-128-809-11	CERAMIC	100PF	5%	50V
C760	1-104-660-91	ELECT	47uF	20.00%	16V
C761	1-136-157-00	FILM	0.022uF	5.00%	50V
C770	1-128-813-11	CERAMIC	220PF	5%	50V
C801	1-126-947-11	ELECT	47uF	20.00%	35V
C802	1-126-947-11	ELECT	47uF	20.00%	35V
C790	1-164-159-11	CERAMIC	0.1uF		50V
C803	1-128-523-21	ELECT	4700uF	20.00%	63V
C804	1-128-523-21	ELECT	4700uF	20.00%	63V
C805	1-130-781-00	MYLAR	0.22uF	5.00%	100V
C806	1-130-781-00	MYLAR	0.22uF	5.00%	100V
C807	1-104-665-11	ELECT	100uF	20.00%	10V
C808	1-104-665-11	ELECT	100uF	20.00%	10V
C810	1-136-165-00	FILM	0.1uF	5.00%	50V
C811	1-126-943-11	ELECT	2200uF	20.00%	25V
C812	1-131-733-11	ELECT	470uF	20.00%	25V
⚠C813	1-164-159-11	CERAMIC	0.1uF		50V
⚠C814	1-164-159-11	CERAMIC	0.1uF		50V
C816	1-104-664-11	ELECT	47uF	20.00%	25V
C817	1-126-936-11	ELECT	3300uF	20.00%	16V
C818	1-104-664-11	ELECT	47uF	20.00%	25V
C825	1-136-165-00	FILM	0.1uF	5.00%	50V
C826	1-104-664-11	ELECT	47uF	20.00%	25V
C827	1-104-664-11	ELECT	47uF	20.00%	25V
C896	1-104-660-91	ELECT	47uF	20.00%	16V
C897	1-136-165-00	FILM	0.1uF	5.00%	50V
C898	1-126-949-11	ELECT	220uF	20.00%	35V
C899	1-126-948-11	ELECT	100uF	20.00%	35V
C922	1-164-159-11	CERAMIC	0.1uF		50V
C923	1-164-159-11	CERAMIC	0.1uF		50V
CC02	1-128-809-11	CERAMIC	100PF	5%	50V
CC02	1-128-809-11	CERAMIC	100PF	5%	50V

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Ref. No.	Part No.	Description			Remarks
CC03	1-128-809-11	CERAMIC	100PF	5%	50V
CC04	1-128-809-11	CERAMIC	100PF	5%	50V
CC05	1-128-809-11	CERAMIC	100PF	5%	50V
CC06	1-128-809-11	CERAMIC	100PF	5%	50V
CC07	1-128-809-11	CERAMIC	100PF	5%	50V
CC08	1-128-809-11	CERAMIC	100PF	5%	50V
CC09	1-128-809-11	CERAMIC	100PF	5%	50V
CC10	1-128-809-11	CERAMIC	100PF	5%	50V
CC11	1-128-809-11	CERAMIC	100PF	5%	50V
CC12	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC14	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC16	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC18	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC20	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC51	1-128-809-11	CERAMIC	100PF	5%	50V
CC52	1-128-809-11	CERAMIC	100PF	5%	50V
CC53	1-128-809-11	CERAMIC	100PF	5%	50V
CC54	1-128-809-11	CERAMIC	100PF	5%	50V
CC55	1-128-809-11	CERAMIC	100PF	5%	50V
CC56	1-128-809-11	CERAMIC	100PF	5%	50V
CC57	1-128-809-11	CERAMIC	100PF	5%	50V
CC58	1-128-809-11	CERAMIC	100PF	5%	50V
CC59	1-128-809-11	CERAMIC	100PF	5%	50V
CC60	1-128-809-11	CERAMIC	100PF	5%	50V
CC61	1-128-809-11	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
CNP301	1-794-002-11	CONNECTOR 13P			
* CNP791	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CNP801	1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P			
CNP802	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P			

Ref. No.	Part No.	Description	Remarks
		< DIODE >	
D505	8-719-991-33	DIODE 1SS133T-77	
D506	8-719-991-33	DIODE 1SS133T-77	
D508	8-719-991-33	DIODE 1SS133T-77	
D510	8-719-991-33	DIODE 1SS133T-77	
D560	8-719-991-33	DIODE 1SS133T-77	
D605	8-719-991-33	DIODE 1SS133T-77	
D606	8-719-991-33	DIODE 1SS133T-77	
D607	8-719-991-33	DIODE 1SS133T-77	
D610	8-719-991-33	DIODE 1SS133T-77	
D617	8-719-991-33	DIODE 1SS133T-77	
D627	8-719-991-33	DIODE 1SS133T-77	
D706	8-719-991-33	DIODE 1SS133T-77	
D710	8-719-991-33	DIODE 1SS133T-77	
D721	8-719-991-33	DIODE 1SS133T-77	
D722	8-719-991-33	DIODE 1SS133T-77	
D725	8-719-991-33	DIODE 1SS133T-77	
D726	8-719-991-33	DIODE 1SS133T-77	
D727	8-719-991-33	DIODE 1SS133T-77	
D728	8-719-991-33	DIODE 1SS133T-77	
D731	8-719-991-33	DIODE 1SS133T-77	
D732	8-719-991-33	DIODE 1SS133T-77	
D734	8-719-991-33	DIODE 1SS133T-77	
D735	8-719-991-33	DIODE 1SS133T-77	
D757	8-719-991-33	DIODE 1SS133T-77	
D791	8-719-991-33	DIODE 1SS133T-77	
D790	8-719-118-63	DIODE RD5.6F-T7B2	
D801	8-719-936-45	DIODE HZS30-1LTD	
⚠ D802	8-719-072-05	DIODE RBV-602LF-A	
D804	8-719-118-63	DIODE RD5.6F-T7B2	
D804	8-719-118-63	DIODE RD5.6F-T7B2	
D820	8-719-200-82	DIODE 11ES2-NTA1B	
D821	8-719-025-01	DIODE 11ES2-NTA1B	
D822	8-719-025-01	DIODE 11ES2-NTA1B	
D823	8-719-025-01	DIODE 11ES2-NTA1B	
D824	8-719-025-01	DIODE 11ES2-NTA1B	
D825	8-719-025-01	DIODE 11ES2-NTA1B	
D826	8-719-025-01	DIODE 11ES2-NTA1B	
D827	8-719-025-01	DIODE 11ES2-NTA1B	
D833	8-719-043-76	DIODE AK04V0	
D896	8-719-043-76	DIODE AK04V0	
⚠ D898	8-719-025-01	DIODE 11ES2-NTA1B	
D899	8-719-025-01	DIODE 11ES2-NTA1B	
		< EARTH >	
* G401	1-537-738-21	TERMINAL, EARTH	
* G801	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC201	8-759-655-38	IC M61501FP	
IC401	8-759-697-90	IC NJM4565DD	
IC402	8-759-697-90	IC NJM4565DD	
IC403	8-759-697-90	IC NJM4565DD	

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MAIN

Ref. No.	Part No.	Description	Remarks
IC404	8-759-636-74	IC M5218AP-22	
IC501	8-749-011-16	IC STK350-230	
IC701	8-759-326-52	IC uPC2581V	
IC702	8-759-326-52	IC uPC2581V	
IC801	8-759-649-68	IC UPC78M07AHF	
IC802	8-759-604-95	IC M5F79M07L	
IC803	8-759-039-69	IC uPC7805AHF	
IC804	8-759-039-69	IC uPC7805AHF	
IC806	8-759-376-91	IC uPC78M12AHF	
IC807	8-759-077-87	IC NJM78L05A-T3	
		< JACK >	
J253	1-774-843-11	JACK, PIN 1P (AUDIO OUT(SUB WOOFER)	
J401	1-770-614-11	JACK, PIN 4P (CD IN,MD/TAPE OUT)	
J402	1-770-613-11	JACK, PIN 4P (MD/TAPE IN,AUDIO IN(TV/SAT))	
J403	1-580-825-11	JACK, PIN 6P (AUDIO IN(DVD/LD), AUDIO OUT(VIDEO),AUDIO IN(VIDEO))	
J501	1-779-380-11	JACK, PIN 6P (MULTI CH IN)	
		< COIL >	
L301	1-408-080-00	INDUCTOR 100uH	
L521	1-420-872-51	COIL, AIR-CORE	
L601	1-420-872-51	COIL, AIR-CORE	
L651	1-420-872-51	COIL, AIR-CORE	
L701	1-420-872-51	COIL, AIR-CORE	
L751	1-420-872-51	COIL, AIR-CORE	
		< TRANSISTOR >	
Q361	8-729-823-23	TRANSISTOR 2SC3576-AC	
Q362	8-729-823-23	TRANSISTOR 2SC3576-AC	
Q363	8-729-823-23	TRANSISTOR 2SC3576-AC	
Q364	8-729-823-23	TRANSISTOR 2SC3576-AC	
Q365	8-729-823-23	TRANSISTOR 2SC3576-AC	
Q366	8-729-823-23	TRANSISTOR 2SC3576-AC	
Q379	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q501	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
Q502	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q503	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q504	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q505	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q506	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q507	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q509	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q550	8-729-139-97	TRANSISTOR 2SC2785TP-FEK	
Q560	8-729-139-97	TRANSISTOR 2SC2785TP-FEK	
Q601	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q603	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q604	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q605	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q606	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q610	8-729-130-97	TRANSISTOR 2SC2785TP-FEK	
Q651	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
Q652	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q653	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q654	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q655	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q656	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	

Ref. No.	Part No.	Description	Remarks
Q657	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q658	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
Q659	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q691	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
Q692	8-729-029-87	TRANSISTOR BA1F4M-TP (E)	
Q693	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q694	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q695	8-729-231-15	TRANSISTOR 2SA1015TP-YGR	
Q696	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q697	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q701	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q705	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q706	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q707	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q708	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q709	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
Q722	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q723	8-729-139-97	TRANSISTOR 2SC2785TP-FEK	
Q725	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q730	8-729-139-97	TRANSISTOR 2SC2785TP-FEK	
Q747	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q748	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q751	8-729-661-93	TRANSISTOR 2SA1115TP-EF	
Q752	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q755	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q756	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q757	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q758	8-729-205-12	TRANSISTOR 2SC1815GR-TPE2	
Q759	8-729-029-41	TRANSISTOR DTA124ESA-TP	
Q791	8-729-139-97	TRANSISTOR 2SC2785TP-FEK	
Q801	8-729-140-99	TRANSISTOR 2SB734-T-34	
		< RESISTOR >	
R326	1-249-436-11	CARBON 39K 5% 1/4W	
R327	1-249-436-11	CARBON 39K 5% 1/4W	
R328	1-249-433-11	CARBON 22K 5% 1/4W	
R360	1-249-437-11	CARBON 47K 5% 1/4W	
R361	1-249-429-11	CARBON 10K 5% 1/4W	
R362	1-249-429-11	CARBON 10K 5% 1/4W	
R363	1-249-437-11	CARBON 47K 5% 1/4W	
R366	1-249-429-11	CARBON 10K 5% 1/4W	
R367	1-249-437-11	CARBON 47K 5% 1/4W	
R368	1-249-437-11	CARBON 47K 5% 1/4W	
R369	1-249-429-11	CARBON 10K 5% 1/4W	
R370	1-249-429-11	CARBON 10K 5% 1/4W	

Ref. No.	Part No.	Description			Remarks
R371	1-249-437-11	CARBON	47K	5%	1/4W
R372	1-249-437-11	CARBON	47K	5%	1/4W
R373	1-247-807-31	CARBON	100	5%	1/4W
R374	1-247-807-31	CARBON	100	5%	1/4W
R375	1-247-807-31	CARBON	100	5%	1/4W
R376	1-247-807-31	CARBON	100	5%	1/4W
R377	1-247-807-31	CARBON	100	5%	1/4W
R378	1-247-807-31	CARBON	100	5%	1/4W
R379	1-249-429-11	CARBON	10K	5%	1/4W
R380	1-249-441-11	CARBON	100K	5%	1/4W
R381	1-249-429-11	CARBON	10K	5%	1/4W
R402	1-249-417-11	CARBON	1K	5%	1/4W F
R403	1-249-417-11	CARBON	1K	5%	1/4W F
R404	1-249-417-11	CARBON	1K	5%	1/4W F
R405	1-249-417-11	CARBON	1K	5%	1/4W F
R401	1-249-417-11	CARBON	1K	5%	1/4W F
R406	1-249-417-11	CARBON	1K	5%	1/4W F
R407	1-249-417-11	CARBON	1K	5%	1/4W F
R408	1-249-417-11	CARBON	1K	5%	1/4W F
R409	1-249-417-11	CARBON	1K	5%	1/4W F
R410	1-249-417-11	CARBON	1K	5%	1/4W F
R411	1-249-417-11	CARBON	1K	5%	1/4W F
R412	1-249-437-11	CARBON	47K	5%	1/4W
R413	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-429-11	CARBON	10K	5%	1/4W
R422	1-249-437-11	CARBON	47K	5%	1/4W
R421	1-249-437-11	CARBON	47K	5%	1/4W
R424	1-249-437-11	CARBON	47K	5%	1/4W
R425	1-249-437-11	CARBON	47K	5%	1/4W
R426	1-249-437-11	CARBON	47K	5%	1/4W
R428	1-249-437-11	CARBON	47K	5%	1/4W
R431	1-249-437-11	CARBON	47K	5%	1/4W
R432	1-249-437-11	CARBON	47K	5%	1/4W
R433	1-249-437-11	CARBON	47K	5%	1/4W
R434	1-249-437-11	CARBON	47K	5%	1/4W
R442	1-249-437-11	CARBON	47K	5%	1/4W
R444	1-249-437-11	CARBON	47K	5%	1/4W
R441	1-249-437-11	CARBON	47K	5%	1/4W
R445	1-249-437-11	CARBON	47K	5%	1/4W
R446	1-249-437-11	CARBON	47K	5%	1/4W
R447	1-249-437-11	CARBON	47K	5%	1/4W
R448	1-249-437-11	CARBON	47K	5%	1/4W
R452	1-249-417-11	CARBON	1K	5%	1/4W F
R451	1-249-417-11	CARBON	1K	5%	1/4W F
R453	1-249-417-11	CARBON	1K	5%	1/4W F
R454	1-249-417-11	CARBON	1K	5%	1/4W F
R455	1-249-417-11	CARBON	1K	5%	1/4W F
R456	1-249-417-11	CARBON	1K	5%	1/4W F
R457	1-249-417-11	CARBON	1K	5%	1/4W F
R458	1-249-417-11	CARBON	1K	5%	1/4W F
R459	1-249-417-11	CARBON	1K	5%	1/4W F
R460	1-249-417-11	CARBON	1K	5%	1/4W F
R461	1-249-417-11	CARBON	1K	5%	1/4W F
R463	1-249-437-11	CARBON	47K	5%	1/4W
R464	1-249-437-11	CARBON	47K	5%	1/4W
R465	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-429-11	CARBON	10K	5%	1/4W
R467	1-249-437-11	CARBON	47K	5%	1/4W
R468	1-249-437-11	CARBON	47K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R469	1-249-417-11	CARBON	1K	5%	1/4W F
R470	1-249-437-11	CARBON	47K	5%	1/4W
R471	1-249-431-11	CARBON	15K	5%	1/4W
R472	1-249-429-11	CARBON	10K	5%	1/4W
R473	1-249-421-11	CARBON	2.2K	5%	1/4W F
R474	1-249-429-11	CARBON	10K	5%	1/4W
R475	1-249-429-11	CARBON	10K	5%	1/4W
R476	1-249-429-11	CARBON	10K	5%	1/4W
R477	1-249-429-11	CARBON	10K	5%	1/4W
R478	1-249-429-11	CARBON	10K	5%	1/4W
R479	1-249-429-11	CARBON	10K	5%	1/4W
R480	1-247-843-11	CARBON	3.3K	5%	1/4W
R481	1-249-429-11	CARBON	10K	5%	1/4W
R482	1-247-843-11	CARBON	3.3K	5%	1/4W
R483	1-249-429-11	CARBON	10K	5%	1/4W
R484	1-247-843-11	CARBON	3.3K	5%	1/4W
R485	1-249-429-11	CARBON	10K	5%	1/4W
R486	1-247-843-11	CARBON	3.3K	5%	1/4W
R487	1-249-437-11	CARBON	47K	5%	1/4W
R488	1-249-437-11	CARBON	47K	5%	1/4W
R489	1-249-437-11	CARBON	47K	5%	1/4W
R490	1-249-437-11	CARBON	47K	5%	1/4W
R491	1-249-437-11	CARBON	47K	5%	1/4W
R492	1-249-437-11	CARBON	47K	5%	1/4W
R499	1-249-437-11	CARBON	47K	5%	1/4W
R501	1-249-417-11	CARBON	1K	5%	1/4W F
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-247-827-11	CARBON	680	5%	1/4W F
R504	1-249-411-11	CARBON	330	5%	1/4W
R505	1-249-439-11	CARBON	68K	5%	1/4W
R507	1-249-433-11	CARBON	22K	5%	1/4W
R510	1-249-421-11	CARBON	2.2K	5%	1/4W F
R511	1-249-437-11	CARBON	47K	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W F
⚠R514	1-249-408-11	CARBON	180	5%	1/4W F
⚠R515	1-249-408-11	CARBON	180	5%	1/4W F
⚠R516	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R517	1-249-393-11	CARBON	10	5%	1/4W F
R520	1-249-425-11	CARBON	4.7K	5%	1/4W F
R521	1-247-850-11	CARBON	6.2K	5%	1/4W
R522	1-249-419-11	CARBON	1.5K	5%	1/4W F
⚠R528	1-249-389-61	CARBON	2.7	5%	1/6W F
R529	1-247-866-11	CARBON	30K	5%	1/4W
R530	1-249-425-11	CARBON	4.7K	5%	1/4W F
R531	1-249-425-11	CARBON	4.7K	5%	1/4W F
R532	1-249-425-11	CARBON	4.7K	5%	1/4W F
R533	1-249-437-11	CARBON	47K	5%	1/4W
R535	1-249-431-11	CARBON	15K	5%	1/4W
R539	1-249-424-11	CARBON	3.9K	5%	1/4W F

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas nesse manual.

MAIN

Ref. No.	Part No.	Description			Remarks
R539	1-249-424-11	CARBON	3.9K	5%	1/4W F
R540	1-247-881-00	CARBON	120K	5%	1/4W
R541	1-249-431-11	CARBON	15K	5%	1/4W
R573	1-249-437-11	CARBON	47K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W F
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-247-827-11	CARBON	680	5%	1/4W F
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W F
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W F
⚠R614	1-249-408-11	CARBON	180	5%	1/4W F
⚠R615	1-249-408-11	CARBON	180	5%	1/4W F
⚠R616	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R617	1-249-393-11	CARBON	10	5%	1/4W F
⚠R618	1-249-389-61	CARBON	2.7	5%	1/6W F
R620	1-249-425-11	CARBON	4.7K	5%	1/4W F
R621	1-247-850-11	CARBON	6.2K	5%	1/4W
R622	1-249-419-11	CARBON	1.5K	5%	1/4W F
R623	1-249-437-11	CARBON	47K	5%	1/4W
R625	1-247-881-00	CARBON	120K	5%	1/4W
R626	1-249-431-11	CARBON	15K	5%	1/4W
R630	1-249-425-11	CARBON	4.7K	5%	1/4W F
R631	1-249-425-11	CARBON	4.7K	5%	1/4W F
R638	1-247-881-00	CARBON	120K	5%	1/4W
R651	1-249-417-11	CARBON	1K	5%	1/4W F
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-247-827-11	CARBON	680	5%	1/4W F
R654	1-249-439-11	CARBON	68K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W F
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W F
⚠R664	1-249-408-11	CARBON	180	5%	1/4W F
⚠R665	1-249-408-11	CARBON	180	5%	1/4W F
⚠R666	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W F
⚠R668	1-249-389-61	CARBON	2.7	5%	1/6W F
R670	1-249-425-11	CARBON	4.7K	5%	1/4W F
R671	1-247-850-11	CARBON	6.2K	5%	1/4W
R672	1-249-419-11	CARBON	1.5K	5%	1/4W F
R674	1-247-866-11	CARBON	30K	5%	1/4W
R675	1-249-424-11	CARBON	3.9K	5%	1/4W F
R676	1-249-431-11	CARBON	15K	5%	1/4W
R677	1-249-433-11	CARBON	22K	5%	1/4W
R678	1-249-433-11	CARBON	22K	5%	1/4W
R683	1-249-437-11	CARBON	47K	5%	1/4W
R684	1-249-431-11	CARBON	15K	5%	1/4W
R696	1-249-405-61	CARBON	100		
R691	1-216-453-00	METAL OXIDE	270	5%	2W
R692	1-216-453-00	METAL OXIDE	270	5%	2W
R701	1-249-417-11	CARBON	1K	5%	1/4W F
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-247-827-11	CARBON	680	5%	1/4W F
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-249-441-11	CARBON	100K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W F
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W F
⚠R714	1-249-408-11	CARBON	180	5%	1/4W F
⚠R715	1-249-408-11	CARBON	180	5%	1/4W F
⚠R716	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W F
⚠R718	1-249-389-61	CARBON	2.7	5%	1/6W F
R719	1-249-425-11	CARBON	4.7K	5%	1/4W F
R721	1-247-850-11	CARBON	6.2K	5%	1/4W
R722	1-249-419-11	CARBON	1.5K	5%	1/4W F
R723	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-247-881-00	CARBON	120K	5%	1/4W
R727	1-249-433-11	CARBON	22K	5%	1/4W
R730	1-249-425-11	CARBON	4.7K	5%	1/4W F
R731	1-249-425-11	CARBON	4.7K	5%	1/4W F
⚠R732	1-249-381-11	CARBON	1	5%	1/4W F
⚠R733	1-249-381-11	CARBON	1	5%	1/4W F
R735	1-249-427-11	CARBON	6.8K	5%	1/4W F
R736	1-249-417-11	CARBON	1K	5%	1/4W F
R737	1-249-436-11	CARBON	39K	5%	1/4W
R738	1-247-881-00	CARBON	120K	5%	1/4W
R739	1-249-431-11	CARBON	15K	5%	1/4W
R740	1-247-866-11	CARBON	30K	5%	1/4W
R743	1-249-433-11	CARBON	22K	5%	1/4W
R744	1-249-431-11	CARBON	15K	5%	1/4W
R745	1-249-424-11	CARBON	3.9K	5%	1/4W F
R746	1-249-433-11	CARBON	22K	5%	1/4W
R747	1-249-433-11	CARBON	22K	5%	1/4W
R748	1-249-437-11	CARBON	47K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W F
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-277-827-11	CARBON	680	5%	1/4W F
R754	1-249-439-11	CARBON	68K	5%	1/4W
R760	1-249-421-11	CARBON	2.2K	5%	1/4W F
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W F
⚠R764	1-249-408-11	CARBON	180	5%	1/4W F
⚠R765	1-249-408-11	CARBON	180	5%	1/4W F
⚠R766	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R767	1-249-393-11	CARBON	10	5%	1/4W F
⚠R768	1-249-389-61	CARBON	2.7	5%	1/6W F

Ref. No.	Part No.	Description			Remarks
R770	1-249-425-11	CARBON	4.7K	5%	1/4W F
R771	1-247-850-11	CARBON	6.2K	5%	1/4W
R772	1-249-419-11	CARBON	1.5K	5%	1/4W F
R775	1-249-424-11	CARBON	3.9K	5%	1/4W F
R776	1-249-431-11	CARBON	15K	5%	1/4W
R777	1-247-866-11	CARBON	30K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R779	1-249-437-11	CARBON	47K	5%	1/4W
R791	1-213-141-61	METAL OXIDE	680	5%	1W
R793	1-249-425-11	CARBON	4.7K	5%	1/4W F
R799	1-213-141-61	METAL OXIDE	680	5%	1W
⚠R800	1-249-389-61	CARBON	2.7	5%	1/6W F
⚠R801	1-249-381-11	CARBON	1	5%	1/4W F
⚠R802	1-249-381-11	CARBON	1	5%	1/4W F
⚠R803	1-249-389-61	CARBON	2.7	5%	1/6W F
R804	1-249-427-11	CARBON	6.8K	5%	1/4W F
R805	1-249-427-11	CARBON	6.8K	5%	1/4W F
⚠R810	1-240-877-11	FUSIBLE	0.15	5%	1/2W
⚠R811	1-240-877-11	FUSIBLE	0.15	5%	1/2W
⚠R812	1-243-635-81	FUSIBLE	0.33	5%	1/2W
⚠R813	1-240-877-11	FUSIBLE	0.15	5%	1/2W
		< RELAY >			
RY550	1-755-170-11	RELAY (12V)			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY730	1-755-170-11	RELAY (12V)			
RY791	1-515-614-11	RELAY			
		< TERMINAL >			
TM601	1-537-923-11	TERMINAL BOARD (SPEAKER) (6P) (SURROUND,CENTER)			
TM602	1-537-925-61	TERMINAL BOARD (PEAKER FRONT)			
		< VIBRATOR >			
X301	1-579-900-11	VIBRATOR, CRYSTAL 4.33MHz (AEP,UK)			
**********					
	1-681-430-11	POWER SW BOARD			
		**********			
		< CONNECTOR >			
* CNP100	1-565-295-11	PLUG, CONNECTOR 4P			

Ref. No.	Part No.	Description			Remarks
		< RESISTOR >			
R10	1-249-417-11	CARBON	1K	5%	1/4W
R009	1-249-429-11	CARBON	10K	5%	1/4W
		< SWITCH >			
S108	1-762-874-11	SWITCH, TACTILE			
S109	1-762-874-11	SWITCH, TACTILE			
S150	1-762-874-11	SWITCH, TACTILE			
		< CONNECTOR >			
* CNP910	1-564-687-11	PIN, CONNECTOR 3P (E)			
**********					
**********					
	A-4725-729-A	STANDBY BOARD, COMPLETE (E)			
**********					
	1-533-293-11	FUSE HOLDER			
		< CAPACITOR >			
C920	1-164-159-11	CERAMIC	0.1uF		50V
C921	1-164-159-11	CERAMIC	0.1uF		50V
C950	1-126-936-11	ELECT	3300uF	20.00%	16V
C951	1-164-159-11	CERAMIC	0.1uF		50V
C952	1-131-813-91	ELECT	1uF	20.00%	100V
C953	1-131-810-91	ELECT	0.22uF	20.00%	100V
C954	1-126-964-11	ELECT	10uF	20.00%	50V
C955	1-164-159-11	CERAMIC	0.1uF		50V
C957	1-164-159-11	CERAMIC	0.1uF		50V
C958	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNP901	1-862-294-01	PIN, CONNECTOR 2P			
* CNP902	1-862-294-01	PIN, CONNECTOR 2P			
CNP912	1-862-294-01	PIN, CONNECTOR 4P			
		< DIODE >			
D901	8-719-991-33	DIODE 1SS133T-77			
D910	8-719-025-01	DIODE 11ES2-NTA2B (EXCEPT US,CND)			
D911	8-719-025-01	DIODE 11ES2-NTA2B (EXCEPT US,CND)			
D912	8-719-025-01	DIODE 11ES2-NTA2B (EXCEPT US,CND)			
D913	8-719-025-01	DIODE 11ES2-NTA2B (EXCEPT US,CND)			

STANDBY VIDEO

Ref. No.	Part No.	Description			Remarks
D914	8-719-991-33	DIODE 1SS133T-77 (US,CND)			
D915	8-719-991-33	DIODE 1SS133T-77 (US,CND)			
		< FUSE >			
⚠F901	1-532-464-351	FUSE (T2.5AL/250V)(EXCEPT US,CND,MX)			
		< IC >			
IC950	8-759-333-83	IC NJM2103D			
		< TRANSISTOR >			
Q901	8-729-139-97	TRANSISTOR	2SC2785TP-FEK		
Q951	8-729-045-21	TRANSISTOR	2SD1513TP-LK		
		< RESISTOR >			
⚠R901	1-202-725-00	SOLID	3.3M	10% 1/2W	
R902	1-249-437-11	CARBON	47K	5% 1/4W	
R903	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R950	1-249-421-11	CARBON	2.2K	5% 1/4W	F
R951	1-249-428-11	CARBON	8.2K	5% 1/4W	F
R952	1-249-422-11	CARBON	2.7K	5% 1/4W	F
R953	1-249-433-11	CARBON	22K	5% 1/4W	
R954	1-249-437-11	CARBON	47K	5% 1/4W	
R955	1-249-429-11	CARBON	10K	5% 1/4W	
R956	1-247-843-11	CARBON	3.3K	5% 1/4W	
R957	1-249-417-11	CARBON	1K	5% 1/4W	F
R960	1-249-431-11	CARBON	15K	5% 1/4W	
		< RELAY >			
RY901	1-755-298-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-435-105-11	TRANSFORMER, POWER			

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	1-681-428-11	VIDEO BOARD			
		**********			
		< CAPACITOR >			
C1602	1-164-159-11	CERAMIC	0.1uF		50V
C1603	1-126-964-11	ELECT	10uF	20.00%	50V
C1604	1-164-159-11	CERAMIC	0.1uF		50V
C1605	1-128-805-11	CERAMIC	47PF	5%	50V
C1606	1-128-805-11	CERAMIC	47PF	5%	50V
C1610	1-164-159-11	CERAMIC	0.1uF		50V
C1607	1-131-813-91	ELECT	1uF	20.00%	100V
C1608	1-131-813-91	ELECT	1uF	20.00%	100V
C1609	1-131-813-91	ELECT	1uF	20.00%	100V
C1611	1-126-965-11	ELECT	22uF	20.00%	50V
C1612	1-126-964-11	ELECT	10uF	20.00%	50V

Ref. No.	Part No.	Description				Remarks
		< CONNECTOR >				
CNP911	1-784-925-11	PIN, CONNECTOR 10P				
CNS107	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
CNS500	1-564-506-11	PLUG, CONNECTOR 3P				
		< IC >				
IC1014	8-759-701-65	IC NJM79M05FA				
IC1015	8-759-333-84	IC NJM2279D				
		< JACK >				
J1004	1-695-317-11	JACK, PIN 2P (VIDEO OUT(MONITOR),VIDEO IN(VIDEO))				
J1006	1-766-199-11	JACK, PIN 3P (VIDEO OUT(MONITOR),VIDEO IN(DVD/LD),VIDEO IN(TV/SAT))				
		< RESISTOR >				
R1601	1-247-804-11	CARBON	75	5%	1/4W	
R1602	1-247-804-11	CARBON	75	5%	1/4W	
R1603	1-247-804-11	CARBON	75	5%	1/4W	
R1604	1-247-804-11	CARBON	75	5%	1/4W	
R1605	1-247-804-11	CARBON	75	5%	1/4W	

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		MISCELLANEOUS	
		**********	
58	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
61	1-693-407-21	TUNER (US,CND,E,MX,BR,AR)	
61	1-693-408-41	TUNER (AEP,UK,AUS,CH)	
⚠67	1-757-813-21	CORD, POWER	
⚠68	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P	
71	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
⚠T901	1-437-359-11	TRANSFORMER, POWER	

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas nesse manual.

Ref. No.	Part No.	Description	Remarks
		ACESSÓRIOS E MATERIAIS EMBALADOS	
		**********	
	1-476-552-11	CONTROLE REMOTO (RM-U305)	
	Y-8283-248-A	ANTENNA, LOOP (AM)	
	1-501-594-11	ANTENNA (FM) (AEP,UK,AUS,CH)	
	1-793-184-21	CONECTOR ADAPTADOR TIPO F	
	4-233-127-21	MANUAL DE INSTRUÇÕES	
	4-228-696-01	TAMPA DA PILHA (PARA RM-U305)	

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